

SOLICITATION, OFFER AND AWARD			1. This Contract Is A Rated Order Under DPAS (15 CFR 700)		Rating DOA4	Page 1 of 169
2. Contract No.		3. Solicitation No. W56HZV-07-R-0315		4. Type of Solicitation Negotiated (RFP)	5. Date Issued 2007MAY29	6. Requisition/Purchase No. SEE SCHEDULE
7. Issued By U.S. ARMY TACOM LCMC AMSTA-AQ-ADED WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL			Code W56HZV	8. Address Offer To (If Other Than Item 7)		

SOLICITATION NOTE: In sealed bid solicitations 'offer' and 'offeror' mean 'bid' and 'bidder'.

9. Sealed offers in original and 1 signed **copies for furnishing the supplies or services in the Schedule will be received at the place specified in item 8, or if handcarried, in the depository located in** _____ **until** 03:00pm **(hour) local time** 2007JUL25 **(Date).**

Caution - Late Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. For Information Call:	Name RICHARD MORENCY E-mail address: RICHARD.MORENCY@US.ARMY.MIL	Telephone No. (Include Area Code) (NO Collect Calls) (586) 574-6641
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11. Table Of Contents

(X)	Section	Description	Page(s)	(X)	Section	Description	Page(s)
Part I - The Schedule				Part II - Contract Clauses			
X	A	Solicitation/Contract Form	1	X	I	Contract Clauses	123
X	B	Supplies or Services and Prices/Costs	8	Part III - List Of Documents, Exhibits, And Other Attachments			
X	C	Description/Specs./Work Statement	66	X	J	List of Attachments	133
X	D	Packaging and Marking	97	Part IV - Representations And Instructions			
X	E	Inspection and Acceptance	106	X	K	Representations, Certifications, and Other Statements of Offerors	135
X	F	Deliveries or Performance	112				
X	G	Contract Administration Data	117	X	L	Instr., Conds., and Notices to Offerors	144
X	H	Special Contract Requirements	118	X	M	Evaluation Factors for Award	163

OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ **calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.**

13. Discount For Prompt Payment
(See Section I, Clause No. 52.232-8)

14. Acknowledgment of Amendments (The offeror acknowledges receipt of amendments to the Solicitation for offerors and related documents numbered and dated:

Amendment Number	Date	Amendment Number	Date

15A. Contractor/Offeror/Quoter		Code	Facility	16. Name and Title of Person Authorized to Sign Offer (Type or Print)	
15B. Telephone Number (Include Area Code)		15C. Check if Remittance Address is <input type="checkbox"/> Different From Blk 15A- Furnish Such Address In Offer		17. Signature	18. Offer Date

AWARD (To be completed by Government)

19. Accepted As To Items Numbered		20. Amount	21. Accounting And Appropriation	
22. Authority For Using Other Than Full And Open Competition: <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()			23. Submit Invoices To Address Shown In (4 copies unless otherwise specified)	
24. Administered By (If other than Item 7)			25. Payment Will Be Made By	
SCD PAS ADP PT				
26. Name of Contracting Officer (Type or Print)			27. United States Of America _____ (Signature of Contracting Officer)	
			28. Award Date	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

Name of Offeror or Contractor:

SECTION A - SUPPLEMENTAL INFORMATION

Acknowledge all the amendments you've received from us by identifying the amendment number and its issue date in the box below:

[illegible]

[End of Clause]

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
A-1	52.201-4000 (TACOM)	TACOM-WARREN OMBUDSPERSON	JAN/2006

Information regarding the TACOM-Warren Ombudsperson is located at the website <http://contracting.tacom.army.mil/acqinfo/ombudsperson.htm>

[End of Clause]

A-2	52.204-4016 (TACOM)	TACOM-WARREN ELECTRONIC CONTRACTING	SEP/2006
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(a) All TACOM solicitations and awards are distributed on the TACOM Warren Business Opportunities web page (<http://contracting.tacom.army.mil/opportunity.htm>) and are no longer available in hard copy. The TDPs and other documents, when available electronically, will be an attachment or linked to the solicitation package on the web.

(b) You may need to use special software to view documents that we post on the home page. This viewing software is freeware, available for download at no cost from commercial web sites like Microsoft and Adobe. In cases where such software is required, we provide a link from our page to the commercial site where the software is available. Once you arrive at the software developer's site, follow their instructions to download the free viewer. You then can return to the TACOM home page.

(c) Unless otherwise authorized in this solicitation, you are required to submit your offer, bid, or quote electronically, normally via email or datafax. For detailed information about submitting your offer electronically, please see <http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>.

(1) The proper TACOM addresses for offer submission are:

(i) RFQs: Email your quote to the contract specialist's email address found on the RFQ cover sheet or the DD Form 1155.

(ii) RFP and Sealed Bidding: Email your offer to: offers@tacom.army.mil If you datafax your proposal/bid, address your header to: offers@tacom.army.mil and fax to the TACOM Network fax Server at datafax number 1-586-574-5527.

(2) When datafaxing or emailing an offer, the submitted file cannot exceed 7 megabytes. Clearly state Quote, Offer, or Bid on your fax cover page or on the subject line of the e-mail. Use only one of the terms Quotation, Offer, or Bid depending on the solicitation type. Include your company name and annotate the proper internal TACOM address for proper internal routing.

(3) Authentication for datafax submission is verified by the offeror returned address. Quotes, Bids, or Offers may be sent via datafax using a personal computer or a standalone datafax machine. If you are submitting a datafax, a confirmation of receipt for TACOM-Warren will not be sent.

(d) Any award issued as a result of this solicitation will be distributed electronically. Awards posted on the TACOM Warren Business Opportunities web page represent complete OFFICIAL copies of contract awards and will include the awarded unit price. This is the notice required by Executive Order 12600 (June 23, 1987) of our intention to release unit prices in response to any request under the

<p>CONTINUATION SHEET</p>	<p>Reference No. of Document Being Continued</p> <p>PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p>Page 3 of 169</p>
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Name of Offeror or Contractor:

Freedom of Information Act (FOIA), 5 USC 552. Unit price is defined as the contract price per unit or item purchased as it appears in Section B of the contract and is NOT referring to nor does it include Cost or Pricing data/information. If you object to such release, and you intend on submitting an offer, notify the PCO in writing prior to the closing date identified in this solicitation and include the rationale for your objection consistent with the provisions of FOIA. A release determination will be made based on rationale given.

(e) If you have questions or need help in using the Acquisition Center Home Page, call our Electronic Contracting Help Desk at (586) 574-7059, or send an email message to: acqcenweb@tacom.army.mil . If you have questions about the content of any specific item posted on our home page, please call the buyer or point of contact listed for the item. For technical assistance in doing business with the Government, and doing business electronically, please visit the Procurement Technical Assistance Center Website at <http://www.aptac-us.org/new/> to find a location near you.

[End of Clause]

A-3	52.214-4003	ALL OR NONE	MAR/1998
	(TACOM)		

Offers in response to this solicitation must be submitted for the total quantity of the items identified in the solicitation.

(1) ONLY ONE AWARD WILL BE MADE AS A RESULT OF THIS SOLICITATION.

(2) OFFERS SUBMITTED FOR LESS THAN THE TOTAL QUANTITIES OF ALL THE ITEMS IN THIS SOLICITATION ARE INELIGIBLE FOR AWARD.

[End of clause]

A-4 EXECUTIVE SUMMARY MEDIUM MINE PROTECTED VEHICLE

This document summarizes the U.S. Armys plan to acquire a Medium Mine Protected Vehicle (MMPV). Address questions or concerns to J.B. Hart, MMPV Systems Acquisition Manager at 586-574-7840, DSN: 786-7840, jbhart@us.army.mil.

Note: A classified annex to the MMPV solicitation will contain threshold and objective performance requirements and will be necessary to prepare a complete proposal.

SYSTEM DESCRIPTION

The Medium Mine Protected Vehicle (MMPV) is a blast protected, wheeled vehicle platform that will operate in explosive hazardous environments to support emerging Future Engineer Force (FEF) Clearance Companies in route and area clearance operations, Explosive Hazards Teams in explosive hazards reconnaissance operations, and EOD companies in Explosive Ordnance Disposal operations.

SOLICITATION OBJECTIVE

Summary. The Government intends to award a single Indefinite Delivery production contract for the supply of MMPVs as a result of this solicitation. The MMPV will enter the Defense Acquisition Life Cycle at Milestone C (Production and Deployment). Thus the Government is seeking an existing, proven material solution for the MMPV which on an integrated vehicle system-performance basis, reflects low risk in survivability, mobility, system-level maturity, supportability, manufacture, and which can be procured at a price that is fair and reasonable.

Requirement for a mature system. The Government will evaluate MMPV proposals and assign a risk level to the probability that based upon the demonstrated system maturity of the proposed MMPV, the offered vehicle will successfully meet threshold performance requirements (and any offeror proposed objective performance levels included in the awarded contract), and support the accelerated program schedule noted below.

Estimated Program Quantities. The MMPV (Program of Record) schedule for production and fielding is initially spread across five years but may extend by two or more years to meet all force structure and warfighter requirements. Current Authorized Army Acquisition Objective (AAO) quantities for the MMPV program are 1,014 vehicles. However, production contract quantities are contingent upon funding and may increase with force structure, wartime, and other program decisions.

Low-Rate Initial Production. The Request For Proposal (RFP) specifies that upon award of the projected initial Delivery Orders under the MMPV production contract, the Contractor will immediately commence manufacturing MMPVs on a Low Rate Initial Production (LRIP) basis (following a Production Lead Time not longer than 120 days). MMPVs will continue to be produced on an LRIP basis while Production Verification Testing is conducted.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 4 of 169
Name of Offeror or Contractor:		

Accelerated Program Schedule. The MMPV must complete all the requirements for a Full Rate Production Decision (and Full Material Release) within 12 months of contract award. These requirements include test & evaluation, development of full organic logistics support, Department of the Army Authenticated Technical Manuals and provisioning, development of training support, et cetera. The first unit fielding is planned for Third Quarter, Fiscal Year 2008 following successful test & evaluation (including Production Verification Testing, Logistics Demonstration & Operational Test), and a Full Rate Production Decision (and Full Material Release).

Estimated Ordering Quantities. Minimum MMPV order quantity is 7 vehicles (test articles). Maximum MMPV order quantity is 2,500. Offerors may propose range pricing, in each program year, for the MMPV quantities listed below.

For evaluation purposes, estimated quantities, by ordering year are:

ORDERING YEAR	1	2	3	4	5	Opt. 1	Opt. 2	Opt. 3
FISCAL YEARS	07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15
QUANTITY*	127	112	260	269	256	211	137	35

These are production order quantity estimates based on known AA0 and additional requirements, but are subject to approved funding. The maximum contract order quantity is based on additional known but yet unfunded requirements as well as future unknown and additional force structure and warfighter requirements. Shaded blocks represent Option Years and quantities.

Achieving Maximum Monthly ordering Quantities. Given validated requirements and funding, the maximum contract quantity of 2500 MMPVs would require a projected maximum monthly production rate of 35 MMPVs. For proposal preparation and evaluation purposes, the following assumptions are made regarding the projected maximum monthly production rate:

- 1) In the event maximum requirements are realized and funding is available, the most likely issuance of a Delivery Order for the maximum monthly order quantity would occur in IDIQ Contract Month 25 (i.e., the first month of the IDIQ Contract's 3rd Ordering Period).
- 2) Following 9 months of Production Lead Time, the contractor would supply 35 MMPVs per month for 24 consecutive months beginning in IDIQ Contract Month 34 and running through IDIQ Contract Month 58.

Delivery of Test Articles. It is the Governments intention (subject to Delivery Order issuance) that the offeror who is awarded the contract will begin delivering MMPV production representative vehicles for test & evaluation not later than 120 days after contract award to the test locations specified in the production contract. The Government will test, demonstrate, and evaluate the vehicles for approximately four to six months to assess the systems ability to meet threshold and objective performance requirements, operational effectiveness, safety, suitability, and supportability.

UNUSUAL OR KEY FEATURES

Interim Supply Support. The winning offeror will enter into a separately negotiated interim parts support contract to provide spare and repair parts supply support for the MMPV during the first twelve (12) months (with an option for an additional 12 months) following Full Material Release and initial fielding. This parts support is in addition to the Initial Service Package (ISP), Prescribed Load List (PLL), and Authorized Stockage List (ASL) to be fielded with the MMPV.

MMPV in contrast to MRAP. The Armys Medium Mine Protected Vehicle (MMPV) and the U.S. Marine Corps Mine Resistant Ambush Protected (MRAP) vehicle programs contain important similarities and differences. The MMPV and MRAP vehicles contain similar technical performance requirements such as survivability and mobility due to similar mission profiles and environments in which the vehicles will be employed. However, there are significant differences between the two programs:

Acquired under the Joint Capabilities Integration and Development System (JCIDS) and documented with a Capability Production Document (CPD), the MMPV requires a Full Rate Production Decision (and Full Material Release) prior to fielding the system. This includes a full production verification test, logistics demonstration, operational test & evaluation, full organic logistics support, Department of the Army Authenticated Technical Manuals and provisioning, development of organic training support, etc. The MMPV will be procured and produced over a five to eight year period, with life-cycle sustainment and eventual disposal within the Defense Acquisition, Logistics, & Technology Life-Cycle Framework.

The MRAP vehicle in contrast, is being acquired under Urgent Needs Statements (UNS)/Operational Needs Statements (ONS) for immediate warfighter needs, and can be fielded upon receiving an Urgent Material Release with contractor logistics support in order to get a capability into the war-fighters hands quickly.

Further, MRAP is intended to begin fielding systems during CY07. The MRAP vehicle may be immediately deployed to the Southwest Asia theater of operations, whereas the MMPV will support the Future Engineer Force and Explosive Ordnance Disposal units as that new force structure is activated in CONUS locations over the next five to eight years.

Additionally, the MMPV contains just one variant/configuration, while the MRAP program has three categories of vehicles. Under MRAP, there will be multiple Army variants (ranging from Reconnaissance to Ambulance) as well as USMC and Navy variants. The Army MRAP

Name of Offeror or Contractor:

variants are: Category I - Recon, TOW ITAS/LRAS, Weapons Carrier (120mm Mortar & 105mm Howitzer), Utility, Convoy Protection. Category II - Weapons Carrier, Convoy Protection, Utility, Communications Shelter and Ambulance. MRAP is intended to accomplish a wide variety of missions, each of which align with the 10 variants.

Finally, the MRAP program includes multiple contract awards and potentially multiple sources of MRAP vehicles, while the MMPV will be procured under a single production contract from the offeror whose system represents the best value to the Government.

The table below summarizes the similarities and differences between MMPV and MRAP:

MMPV	MRAP
KEY SIMILARITIES	
Technical Requirements (survivability, mobility)	
KEY DIFFERENCES	
JCIDS CPD	UNS / ONS
Full Material Release	Urgent Material Release
Organic Logistics Support	Contractor Logistics Support
Fielded CONUS	Initially Fielded OCONUS (Southwest Asia)
First Fielding 3Q FY08	First Fielding CY07
One vehicle/variant/configuration	Three Categories of vehicles/configurations
Single production contract award	Multiple contract awards

Trade Agreements Act. The MMPV belongs in Federal Supply Class 2355, Combat Assault, and Tactical Vehicles, Wheeled. In accordance with DFARS 225.401-70, this acquisition will be subject to the Trade Agreements Acts. This may restrict the MMPV acquisition to the products of certain countries. Potential offerors should consult FAR 25.4 and DFARS 225.4 to determine whether their sources of supply meet these requirements.

Classified performance requirements and material required for proposals. Offerors may request a copy of the classified annex required for complete proposal preparation after receipt of the solicitation by contacting the MMPV Mailbox at MMPV@tacom.army.mil. In order to receive a copy of the annex, offerors will need to provide proof of valid Industrial Facilities Security Clearance and/or personnel security clearances (i.e., CAGE code, address, identification of their servicing Defense Security Service (DSS) office, name and contact information for their security officer, etc.).

ACQUISITION STRATEGY

Acquisition Approach. The MMPV will follow a single-phased acquisition approach. The Governments goal is to buy the system representing the Best Value using a five (5) year, firm fixed price Indefinite Delivery contract, with three (3) option years.

Source Selection. The Government will use formal source-selection procedures to select the offeror whose proposal represents the Best Value to the Government. Offerors may submit more than one proposal, but each offer must be a complete, stand-alone proposal covering all solicitation requirements. The Government reserves the right to award this contract without conducting discussions. Offerors initial proposals must be comprehensive, fully responsive to the information requested in the solicitation, and reflect the offerors best prices.

The source selection process shall include a formal Source Selection Evaluation Board (SSEB) established by the Government, which will evaluate all proposals submitted in response to the RFP in accordance with the evaluation criteria set forth in Section M of the solicitation. The SSEB will present their findings to a Source Selection Authority (SSA) for final decision. Following an in-depth review of the information and data presented, the SSA will select for contract award, the source whose proposal offers the best value to the Government.

Offerors must carefully review cost, schedule and performance requirements of the solicitation. Particular attention is directed to Section L, which instructs offerors how to present proposals, as well as Section M which sets forth the award criteria in its relative order of importance and the basis of award.

Threshold And Objective Performance Requirements. The performance requirements listed in the MMPV Purchase Description (PD) ATPD 2372 reflect the threshold requirements (those minimum essential capabilities necessary to meet military operational needs), as well as objective levels of performance for the MMPV. Offerors MUST propose to meet all THRESHOLD performance levels identified in the PD. Offerors MAY propose to supply objective capabilities in excess of the threshold performance levels.

Evaluation Criteria. Six Factors will be evaluated for award of the MMPV contract:

Technical: (including Force Protection/System Survivability, System Maturity, Mobility, and Design Growth Potential).

Production Capability: (including Manufacturing Facilities, Key Tooling & Equipment, Production Approach, Time-Phased Critical Path for

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 6 of 169
---------------------------	--	-----------------------------

Name of Offeror or Contractor:

achieving monthly production quantities, and the ability to meet maximum monthly production rates).

Logistics: (including logistics experience and approach to producing DA Authenticated Technical Manuals).

Price: (total evaluated price based on all Contract Line Item Numbers (CLINs).

Past Performance: (including recent and relevant contracts and performance of the logistics experience identified in the Logistics criteria.

Small Business (SB) Participation: (percentage of small business participation, complexity of supplies/services to be supplied by SB, risk of achieving proposed goals).

Criteria Weighting. Technical is more important than Production Capability; Production Capability is approximately equal to Logistics; Logistics is slightly more important than Price; Price is slightly more important than Past Performance; Past Performance is significantly more important than Small Business Participation. Per FAR 15.304(e) when combined, the non-price factors are significantly more important than price.

Substantiation of performance claims.

Offerors shall provide documentation to substantiate proposed levels of technical performance, especially survivability and mobility performance. Examples of such substantiating documentation include but are not limited to: whole-vehicle survivability test data, ballistic coupon test data, automotive performance testing data, safety assessments, etc.

Examples of test data sources to substantiate offerors performance claims include Government-validated test data (e.g. Army Test & Evaluation Command reports), which is preferred, and represents very low risk of substantiating performance claims; or third-party/independently conducted test data (e.g., Nevada Automotive Test Center data) which is acceptable, but represents low to moderate risk of substantiating performance claims.

Commercial or proprietary test data will also be considered, but will be deemed to reflect high risk of substantiating performance claims, and may indicate greater risk that the proposed MMPV will meet threshold performance requirements.

Performance claims submitted without substantiating documentation or test data will be considered to reflect higher risk that the offered vehicle will meet threshold performance requirements.

Contract Award. Based on the evaluation criteria set forth in Sections L and M of the RFP, the Government intends to award one production contract to the responsible offeror whose proposal, in the Source Selection Authoritys opinion, represents the best value to the Government.

GENERAL INFORMATION.

Solicitation location. The solicitation W56HZV-07-R-0315, its clauses, scope of work, Purchase Description (PD) and associated information are on the TACOM Warren Procurement Network (PROCNET) at the following address:

<http://contracting.tacom.army.mil/majorsys/mmpv/mmpv.htm>

The Government will regularly post changes, amendments, and updates to the solicitation as well as answers to any industry-generated questions on this site. Offerors are responsible to periodically review and monitor the MMPV home page to ensure they have the most current information for this solicitation. Direct your questions regarding web access direct to the TACOM Electronic Contracting Help Desk at email: acqcenweb@tacom.army.mil.

Acquisition Schedule. The anticipated acquisition schedule is posted on the MMPV web page URL: <http://contracting.tacom.army.mil/majorsys/mmpv/mmpv.htm>. Offerors are encouraged to review the anticipated acquisition schedule often for updates.

Access to TACOM, Selfridge Air National Guard Base (SANGB), Aberdeen Test Center, MD (ATC), and Yuma Proving Ground, AZ (YPG): The US Government has very strict requirements for gaining admittance to TACOM, SANGB, ATC, and YPG. The Government reserves the right to hold several meetings at TACOM and/or SANGB including Government-offeror discussions (at the Governments option) during the proposal evaluation phase; debriefings, start of work meetings, etc. The winning offeror will also be required to attend meetings, conduct coordination, and support testing at ATC and YPG.

Please contact the U.S. Army Garrison Detroit Arsenal (586) 574-5697 for the current security requirements at TACOM and SANGB. Information on access to ATC is found on the ATC home page: <http://www.atc.army.mil/pages/visitorguide/badging.html>, or by contacting the ATC Security Office, at 410-278-8527.

Information on access to YPG is found on the YPG home page: <http://www.yuma.army.mil>, or by contacting the YPG Official Visitors / Pass and ID office at (928) 328-7335.

Points of Contact. Points of Contact for this Executive Summary are J.B. Hart, 586-574-7840, or Kathy Lambert, 586-574-8004.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 7 of 169
Name of Offeror or Contractor:		

*** END OF NARRATIVE A 0001 ***

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 8 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p>The following equipment contained in Contract Line Item Numbers (CLINs) are numbered in the following manner:</p> <p>QUANTITIES USED IN THIS SOLICITATION ARE ESTIMATES></p> <p>The first digit of the CLIN is the Order Period number.</p> <p>The following definition apply to the entire solicitation and resulting contract:</p> <p>First Ordering Period is the date of the award through 365 days from the date of the award.</p> <p>Second Ordering Period is 366 days from the date of the award through 731 days from the date of award.</p> <p>Third Ordering Period is 732 days from the date of award through 1097 days from the date of award.</p> <p>Fouth Ordering Period is 1098 days from the date of award through 1463 days from the date of award.</p> <p>Fifth Ordering Period is 1464 days from the date of award through 1829 days from the date of award.</p> <p>The First Option Ordering Period is 1830 days from the date of award through 2195 days from the date of award.</p> <p>The Second Option Ordering Period is 2196 days from the date of award through 2561 days from the date of award.</p> <p>The Third Option Ordering Period is 2562 days from the date of award through 2927 days from the date of award.</p> <p>The minimum guaranteed quantity for this contract is 7 vehicles. The maximum quantity of vehicles is 2,500 vehicles.</p> <p>NOTE: The price applicable to an individual order is the price for the ordering period in which the order is issued. The delivery date does not determine the ordering period.</p> <p>(End of narrative A001)</p> <p>SECURITY CLASS: Unclassified</p>				

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001AA	<div>1ST ORDERING QUANTITY</div> <div>NOUN: MEDIUM MINE PROTECTED VEHICLE</div> <div>(End of narrative B001)</div> <div>Packaging and Marking</div> <div>Inspection and Acceptance</div> <div>INSPECTION: OriginACCEPTANCE: Origin</div> <div>FOB POINT: Origin</div> <div>In accodance with Scope of Work and ATPD-2372.</div> <div>(End of narrative F001)</div>	EST. 127	EA	\$_____	\$_____

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001AB	<div>1ST ORDERING PERIOD</div> <div>NOUN: VEHICLE HAND-OFF</div> <div>CONUS:</div> <div>Zone: 1 \$_____</div> <div>Zone: 2 \$_____</div> <div>Zone: 3 \$_____</div> <div>OCONUS:</div> <div>Zone: 4 \$_____</div> <div>See Clause H-36</div> <div>(End of narrative B001)</div> <div>Inspection and Acceptance</div> <div>INSPECTION: DestinationACCEPTANCE: Destination</div> <div>In accordance with Scope of Work paragraph C.23.</div> <div>(End of narrative F001)</div>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 11 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001AC	<u>1ST ORDERING PERIOD</u> NOUN: BASIC ISSUE ITEMS (BII) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
1001AD	<u>RESERVED</u> <u>Packaging and Marking</u> FOB POINT:			\$ _____	\$ _____
1001AE	<u>1ST ORDERING PERIOD</u> NOUN: INITIAL SERVICE PACKAGE (ISP) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
1001AF	<u>1ST ORDERING PERIOD</u> NOUN: AUTHORIZED STOCKAGE LIST (ASL	1	EA	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 12 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)				
1001AG	<u>1ST ORDERING PERIOD</u> NOUN: PRESCRIBED LOAD LIST (PLL) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
1001AH	<u>1ST ORDERING PERIOD</u> NOUN: NET OPERATOR TRAINING <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination NET Operator Training on the MMPV per Scope of Work paragraph C.18. The unit price for this class is: CONUS: Zone 1: \$ _____ Zone 2: \$ _____ Zone 3: \$ _____ OCONUS:	1	EA		\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 13 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001AJ	<p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p> <p><u>1ST ORDERING PERIOD</u></p> <p>NOUN: NET MAINTAINER TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Maintainer Training on the MMPV per Scope of Work paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p>	1	EA		\$_____
1001AK	<p><u>1ST ORDERING PERIOD</u></p> <p>NOUN: INSTRUCTOR AND KEY PERSONNEL</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>Instructor and Key Personnel Training on the MMPV per Scope of Work paragraph C.18.3.</p> <p>The unit price for this class is \$_____</p> <p>(End of narrative F001)</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 14 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001AL	<p><u>1ST ORDERING PERIOD</u></p> <p>NOUN: CONTRACTOR TECH ASST CONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>CONUS Contractor Technical Assistance per Scope of Work, paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____
1001AM	<p><u>1ST ORDERING PERIOD</u></p> <p>NOUN: CONTR TECH ASST-OCONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>OCONUS Contractor Technical Assistance during non-contingency operations per Scope of Work paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____
1001AN	<p><u>1ST ORDERING PERIOD</u></p> <p>NOUN: CONTR TECH ASST OCONUS CONTIG</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>OCONUS Contractor Technical Assistance during contingency operations per Scope of Work paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p>	1	EA		\$_____

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	(End of narrative F001)				
1002	SECURITY CLASS: Unclassified				
1002AA	FIRST ARTICLE TEST VEHICLES	7	EA	\$ _____	\$ _____
	NOUN: MEDIUM MINE PROTECTED VEHICLE				
	Packaging and Marking				
	Inspection and Acceptance				
	INSPECTION: Origin ACCEPTANCE: Origin				
	FOB POINT: Destination				
	See Clause, E.4, C.20, C.21 and ATPD-2372.				
	(End of narrative F001)				

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 16 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1002AB	<p><u>TRANSPARENT ARMOR COUPONS 400MM X 400MM</u></p> <p>8</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Destination</p> <p>See Scope of Work paragraph C.6.6.</p> <p>(End of narrative F001)</p>	8	EA	\$ _____	\$ _____
1002AC	<p><u>OPAQUE ARMOR COUPONS 24" X 24"</u></p> <p>6</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Destination</p> <p>See Scope of Work paragraph C.6.6.</p> <p>(End of narrative F001)</p>	6	EA	\$ _____	\$ _____
1003	<p><u>CONTRACT DATA REQUIREMENTS LIST</u></p> <p>SECURITY CLASS: Unclassified</p>				
A001	<p><u>TRANSPORTABILITY REPORT</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>FOB POINT: Destination</p>	1	LO	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 17 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A002	MARK FOR: SEE DD FORM 1423 See DD Form 1423 (End of narrative F001) <u>LMI DATA PRTS-BII LIST</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for address and delivery date. (End of narrative F001)	1	LO	\$ _____	\$ _____
A003	<u>LMI DATA PDTS-COEI</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ _____	\$ _____
A004	<u>LMI DATA PDTS-ISP</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u>	1	LO	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 18 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A005	<u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001) <u>LMI DATA PDTS-REPORTS, RECORD OF MEETINGS/MI</u> SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD Form 1423 for delivery date and address. NOT SEPARATELY PRICED (End of narrative F001)	1	LO	\$ ** NSP **	\$ ** NSP **
A006	<u>LMI DATA PDTS-INTEGRATED MASTER SCHEDULE</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$	\$
A007	<u>LMI SUMMARIES-MAINTENANCE ANALYSIS</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u>	1	LO	\$	\$

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 19 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A008	<p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>FOB POINT: Destination</p> <p>See DD Form 1423 for delivery date and address.</p> <p>(End of narrative F001)</p> <p><u>LMI DATA PDTS-PROVIS PARTS LIST & PREPRO SCR</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>FOB POINT: Destination</p> <p>See DD Form 1423 for delivery date and address.</p> <p>(End of narrative F001)</p>	1	LO	\$ _____	\$ _____
A009	<p><u>LMI SUMMARIES- EDFP</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>FOB POINT: Destination</p> <p>See DD Form 1423 for delivery date and address.</p> <p>(End of narrative F001)</p>	1	LO	\$ _____	\$ _____
A010	<p><u>CAMOUFLAGE LINE ART DATA</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Packaging and Marking</u></p>	1	LO	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 20 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A011	<u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001) <u>LMI DATA PDTS-LLTI</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ _____	\$ _____
A012	<u>LMI DATA PDTS-EDIL</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ _____	\$ _____
A013	<u>LMI DATA PDTS-STTE</u> SECURITY CLASS: Unclassified	1	LO	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 21 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A014	<p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>FOB POINT: Destination</p> <p>See DD Form 1423 for delivery date and address.</p> <p>(End of narrative F001)</p> <p><u>LMI DATA PDTS-ELEC DIAG & PROG TEST ANALYSIS</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>FOB POINT: Destination</p> <p>See DD Form 1423 for delivery date and address.</p> <p>(End of narrative F001)</p>	1	LO	\$ _____	\$ _____
A015	<p><u>TECHNICAL MANUALS</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>FOB POINT: Destination</p> <p>See DD Form 1423 for delivery date and address.</p> <p>(End of narrative F001)</p>	1	LO	\$ _____	\$ _____
A016	<u>RESERVED</u>			\$ ** NSP **	\$ ** NSP **

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 22 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A017	SECURITY CLASS: Unclassified <u>RESERVED</u> SECURITY CLASS: Unclassified			\$ ** NSP **	\$ ** NSP **
A018	<u>LMI DATA PDTS-DA FORM 2408-9</u> SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD Form 1423 for delivery dates and addresses. NOT SEPARATELY PRICED (End of narrative F001)	1	LO	\$ ** NSP **	\$ ** NSP **
A019	<u>RESERVED</u> SECURITY CLASS: Unclassified			\$ ** NSP **	\$ ** NSP **
A020	<u>LMI DATA PDTS-NMWR CANDIDATE LIST</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$	\$
A021	<u>NAT MAINT WORK REQ-TECHNICAL MANUALS</u> SECURITY CLASS: Unclassified	1	LO	\$	\$

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 23 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery dates and address. (End of narrative F001)				
A022	<u>SAFETY ASSESSMENT REPORT</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD Form DD 1423 for delivery dates and address. (End of narrative F001)	1	LO	\$ _____	\$ _____
A023	<u>HAZARDOUS MATERIALS MANAGEMENT REPORT</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ _____	\$ _____
A024	<u>TRAINING MATERIALS-TRAINING SUPPORT PKG</u>	1	LO	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 24 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)				
A025	<u>TRAINING MATERIALS-SPT CONSUM, LTR SPT REQ</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ _____	\$ _____
A026	<u>TRAINING MATERIALS-TRAINING</u> SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD 1423 Form for delivery date and address. (End of narrative F001) NOT SEPARATELY PRICED (End of narrative F002)	1	LO	\$ ** NSP **	\$ ** NSP **
A027	<u>RESERVED</u>			\$ ** NSP **	\$ ** NSP **

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 25 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A028	<p>SECURITY CLASS: Unclassified</p> <p><u>EQUIPMENT PRESERVATION DATA SHEETS</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>FOB POINT: Destination</p> <p>See DD Form 1423 for delivery date and address.</p> <p>(End of narrative F001)</p>	1	LO	\$ _____	\$ _____
A029	<p><u>LMI DATA PDTS-PKG DATA ELEMENTS AND SPI</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>FOB POINT: Destination</p> <p>See DD Form 1423 for delivery date and address.</p> <p>(End of narrative F001)</p>	1	LO	\$ _____	\$ _____
A030	<p><u>RESERVED</u></p> <p>SECURITY CLASS: Unclassified</p>			\$ ** NSP **	\$ ** NSP **
A031	<p><u>INSPECTION AND TEST PLAN/REPORT</u></p> <p>SECURITY CLASS: Unclassified</p>	1	LO	\$ ** NSP **	\$ ** NSP **

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 26 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A032	<u>LONG LIFE REUSABLE CONTAINER</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ _____	\$ _____
A033	<u>TEST SUPPORT PLAN</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ _____	\$ _____
A034	<u>TEST INCIDENT REPORT</u> SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD Form 1423 for delivery dates and address. (End of narrative F001)	1	LO	\$ ** NSP **	\$ ** NSP **
A035	<u>CONFIG MGT-CONFIG STATUS ACCT RPT</u>	1	LO	\$ ** NSP **	\$ ** NSP **

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 27 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD Form 1423 for delivery dates and address. (End of narrative F001)				
A036	<u>CONFIG STATUS INFO-FINAL INSPECTION RECORD</u> SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ ** NSP **	\$ ** NSP **
A037	<u>CONFIG STATUS INFO-PRODUCT QUAL DEF REPT</u> SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)		LO	\$ ** NSP **	\$ ** NSP **
A038	<u>REQUEST FOR DEVIATION</u> SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ ** NSP **	\$ ** NSP **
A039	<u>BAR CODE IDENTIFICATION-UID DATA</u>	1	LO	\$ ** NSP **	\$ ** NSP **

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 28 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A040	<p>SECURITY CLASS: Unclassified</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>ENGINEERING CHANGE PROPOSAL</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>See DD Form 1423 for address.</p> <p>(End of narrative F001)</p>	1	LO	\$ <u> ** NSP ** </u>	\$ <u> ** NSP ** </u>
A041	<p><u>LMI DATA PDTS-LIFE CYCLE SUST & MANF SOURCES</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>See DD Form 1423 for delivery dates and address.</p> <p>(End of narrative F001)</p>	1	LO	\$ <u> ** NSP ** </u>	\$ <u> ** NSP ** </u>
A042	<p><u>DEVELOPMENTAL DRAWINGS & ASSOC LISTS</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>See DD Form 1423 for delivery dates and address.</p> <p>(End of narrative F001)</p>	1	LO	\$ <u> ** NSP ** </u>	\$ <u> ** NSP ** </u>
A043	<p><u>MMPV FIELD SERVICE REPORT</u></p> <p>SECURITY CLASS: Unclassified</p>	1	LO	\$ <u> ** NSP ** </u>	\$ <u> ** NSP ** </u>

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 29 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)				
A044	<u>PDTS DWGS/MODELS AND ASSOC LISTS-TDP</u> SECURITY CLASS: Unclassified <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination FOB POINT: Destination See DD Form 1423 for delivery date and address. (End of narrative F001)	1	LO	\$ _____	\$ _____
2001	SECURITY CLASS: Unclassified				
2001AA	<u>2ND ORDERING PERIOD</u> NOUN: MEDIUM MINE PROTECTED VEHICLE <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work and ATPD-2372. (End of narrative F001)	EST. 112	EA	\$ _____	\$ _____
2001AB	<u>2ND ORDERING PERIOD</u> NOUN: VEHICLE HAND-OFF	1	EA		\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 30 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>In accordance with Scope of Work paragraph C.23</p> <p>(End of narrative F001)</p>				
2001AC	<p><u>2ND ORDERING PERIOD</u></p> <p>NOUN: BASIC ISSUE ITEMS (BII)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____
2001AD	<p><u>RESERVED</u></p> <p><u>Packaging and Marking</u></p> <p>FOB POINT:</p>			\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 31 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2001AE	<u>2ND ORDERING PERIOD</u> NOUN: INITIAL SERVICE PACKAGE (ISP) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
2001AF	<u>2ND ORDERING PERIOD</u> NOUN: AUTHORIZED STOCKAGE LIST (ASL) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
2001AG	<u>2ND ORDERING PERIOD</u> NOUN: PRESCRIBED LOAD LIST (PLL) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 32 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2001AH	<p><u>2ND ORDERING PERIOD</u></p> <p>NOUN: NET OPERATOR TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Operator Training on the MMPV per Scope of Work paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p>	1	EA		\$_____
2001AJ	<p><u>2ND ORDERING PERIOD</u></p> <p>NOUN: NET MAINTAINER TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Maintainer Training on the MMPV per Scope of Work paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 33 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2001AK	<p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p> <p><u>2ND ORDERING PERIOD</u></p> <p>NOUN: INSTRUCTOR AND KEY PERSONNEL</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>Instructor and Key Personnel Training on the MMPV per Scope of Work paragraph C.18.3.</p> <p>The unit price for this class is \$_____</p> <p>(End of narrative F001)</p>	1	EA		\$_____
2001AL	<p><u>2ND ORDERING PERIOD</u></p> <p>NOUN: CONTRACTOR TECH ASST CONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>CONUS Contractor Technical Assistance per Scope of Work, paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____
2001AM	<p><u>2ND ORDERING PERIOD</u></p> <p>NOUN: CONTR TECH ASST-OCONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 34 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2001AN	<p>OCONUS Contractor Technical Assistance during non-contingency operations per Scope of Work paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p> <p><u>2ND ORDERING PERIOD</u></p> <p>NOUN: CONTR TECH ASST OCONUS CONTIG</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>OCONUS Contractor Technical Assistance during contingency operations per Scope of Work paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____
3001	SECURITY CLASS: Unclassified				
3001AA	<p><u>3RD ORDERING PERIOD</u></p> <p>NOUN: MEDIUM MINE PROTECTED VEHICLE</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work and ATPD-2372.</p> <p>(End of narrative F001)</p>	EST. 260	EA	\$_____	\$_____
3001AB	<p><u>3RD ORDERING PERIOD</u></p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 35 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p>NOUN: VEHICLE HAND-OFF</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>In accordance with Scope of Work paragraph C.23</p> <p>(End of narrative F001)</p>				
3001AC	<p><u>3RD ORDERING PERIOD</u></p> <p>NOUN: BASIC ISSUE ITEMS (BII)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____
3001AD	<p><u>RESERVED</u></p> <p><u>Packaging and Marking</u></p> <p>FOB POINT:</p>			\$_____	\$_____

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3001AE	<u>3RD ORDERING PERIOD</u> NOUN: INITIAL SERVICE PACKAGE (ISP) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
3001AF	<u>3RD ORDERING PERIOD</u> NOUN: AUTHORIZED STOCKAGE LIST (ASL) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
3001AG	<u>3RD ORDERING PERIOD</u> NOUN: PRESCRIBED LOAD LIST (PLL) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6.	1	EA	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 37 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3001AH	<p>(End of narrative F001)</p> <p><u>3RD ORDERING PERIOD</u></p> <p>NOUN: NET OPERATOR TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Operator Training on the MMPV per Scope of Work paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p>	1	EA		\$_____
3001AJ	<p><u>3RD ORDERING PERIOD</u></p> <p>NOUN: NET MAINTAINER TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Maintainer Training on the MMPV per Scope of Work paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 38 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3001AK	<p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p> <p><u>3RD ORDERING PERIOD</u></p> <p>NOUN: INSTRUCTOR AND KEY PERSONNEL</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>Instructor and Key Personnel Training on the MMPV per Scope of Work paragraph C.18.3.</p> <p>The unit price for this class is \$_____</p> <p>(End of narrative F001)</p>	1	EA		\$_____
3001AL	<p><u>3RD ORDERING PERIOD</u></p> <p>NOUN: CONTRACTOR TECH ASST CONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>CONUS Contractor Technical Assistance per Scope of Work, paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____
3001AM	<p><u>3RD ORDERING PERIOD</u></p> <p>NOUN: CONTR TECH ASST-OCONUS</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 39 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination OCONUS Contractor Technical Assistance during non-contingency operations per Scope of Work paragraph C.26. The man-day rate for this CLIN is \$_____. (End of narrative F001)				
3001AN	<u>3RD ORDERING PERIOD</u> NOUN: CONTR TECH ASST OCONUS CONTIG	1	EA		\$_____
	<u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination OCONUS Contractor Technical Assistance during contingency operations per Scope of Work paragraph C.26. The man-day rate for this CLIN is \$_____. (End of narrative F001)				
4001	SECURITY CLASS: Unclassified				
4001AA	<u>4TH ORDERING PERIOD</u> NOUN: MEDIUM MINE PROTECTED VEHICLE <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work and ATPD-2372. (End of narrative F001)	EST. 269	EA	\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 40 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4001AB	<p><u>4TH ORDERING PERIOD</u></p> <p>NOUN: VEHICLE HAND-OFF</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>In accordance with Scope of Work paragraph C.23</p> <p>(End of narrative F001)</p>	1	EA		\$_____
4001AC	<p><u>4TH ORDERING PERIOD</u></p> <p>NOUN: BASIC ISSUE ITEMS (BII)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____
4001AD	<p><u>RESERVED</u></p> <p><u>Packaging and Marking</u></p>			\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 41 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4001AE	<p>FOB POINT:</p> <p><u>4TH ORDERING PERIOD</u></p> <p>NOUN: INITIAL SERVICE PACKAGE (ISP)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>	1	EA	\$ _____	\$ _____
4001AF	<p><u>4TH ORDERING PERIOD</u></p> <p>NOUN: AUTHORIZED STOCKAGE LIST (ASL)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>	1	EA	\$ _____	\$ _____
4001AG	<p><u>4TH ORDERING PERIOD</u></p> <p>NOUN: PRESCRIBED LOAD LIST (PLL)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p>	1	EA	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 42 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4001AH	<p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p> <p><u>4TH ORDERING PERIOD</u></p> <p>NOUN: NET OPERATOR TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Operator Training on the MMPV per Scope of Work paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p>	1	EA		\$ _____
4001AJ	<p><u>4TH ORDERING PERIOD</u></p> <p>NOUN: NET MAINTAINER TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Maintainer Training on the MMPV per Scope of Work paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p>	1	EA		\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 43 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4001AK	Zone 2: \$_____ Zone 3: \$_____ OCONUS: Zone 1: \$_____ See Clause H-36 (End of narrative F001) <u>4TH ORDERING PERIOD</u> NOUN: INSTRUCTOR AND KEY PERSONNEL <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination Instructor and Key Personnel Training on the MMPV per Scope of Work paragraph C.18.3. The unit price for this class is \$_____ (End of narrative F001)	1	EA		\$_____
4001AL	<u>4TH ORDERING PERIOD</u> NOUN: CONTRACTOR TECH ASST CONUS <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination CONUS Contractor Technical Assistance per Scope of Work, paragraph C.26. The man-day rate for this CLIN is \$_____. (End of narrative F001)	1	EA		\$_____
4001AM	<u>4TH ORDERING PERIOD</u> NOUN: CONTR TECH ASST-OCONUS	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 44 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4001AN	<u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination OCONUS Contractor Technical Assistance during non-contingency operations per Scope of Work paragraph C.26. The man-day rate for this CLIN is \$_____. (End of narrative F001)	1	EA		\$ _____
5001	<u>4TH ORDERING PERIOD</u> NOUN: CONTR TECH ASST OCONUS CONTIG <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination OCONUS Contractor Technical Assistance during contingency operations per Scope of Work paragraph C.26. The man-day rate for this CLIN is \$_____. (End of narrative F001)				
5001AA	SECURITY CLASS: Unclassified <u>5TH ORDERING PERIOD</u> NOUN: MEDIUM MINE PROTECTED VEHICLE (End of narrative B001) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work and ATPD-2372.	EST. 256	EA	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 45 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
5001AB	<p>(End of narrative F001)</p> <p><u>5TH ORDERING PERIOD</u></p> <p>1</p> <p>NOUN: VEHICLE HAND-OFF</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>ZONE 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>In accordance with Scope of Work paragraph C.23</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____
5001AC	<p><u>5TH ORDERING PERIOD</u></p> <p>1</p> <p>NOUN: BASIC ISSUE ITEMS (BII)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 46 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
5001AD	<u>RESERVED</u> <u>Packaging and Marking</u> FOB POINT:			\$ _____	\$ _____
5001AE	<u>5TH ORDERING PERIOD</u> NOUN: INITIAL SERVICE PACKAGE (ISP) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
5001AF	<u>5TH ORDERING PERIOD</u> NOUN: AUTHORIZED STOCKAGE LIST (ASL) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
5001AG	<u>5TH ORDERING PERIOD</u> NOUN: PRESCRIBED LOAD LIST (PLL) <u>Packaging and Marking</u>	1	EA	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 47 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>				
5001AH	<p><u>5TH ORDERING PERIOD</u></p> <p>NOUN: NET OPERATOR TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Operator Training on the MMPV per Scope of Work paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p>	1	EA		\$_____
5001AJ	<p><u>5TH ORDERING PERIOD</u></p> <p>NOUN: NET MAINTAINER TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Maintainer Training on the MMPV per Scope of Work paragraph C.18.</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 48 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
5001AK	<p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p> <p><u>5TH ORDERING PERIOD</u></p> <p>NOUN: INSTRUCTOR AND KEY PERSONNEL</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>Instructor and Key Personnel Training on the MMPV per Scope of Work paragraph C.18.3.</p> <p>The unit price for this class is \$_____</p> <p>(End of narrative F001)</p>	1	EA		\$_____
5001AL	<p><u>5TH ORDERING PERIOD</u></p> <p>NOUN: CONTRACTOR TECH ASST CONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>CONUS Contractor Technical Assistance per Scope of Work, paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 49 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
5001AM	<u>5TH ORDERING PERIOD</u> NOUN: CONTR TECH ASST-OCONUS <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination OCONUS Contractor Technical Assistance during non-contingency operations per Scope of Work paragraph C.26. The man-day rate for this CLIN is \$_____. (End of narrative F001)	1	EA		\$_____
5001AN	<u>5TH ORDERING PERIOD</u> NOUN: CONTR TECH ASST OCONUS CONTIG <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination OCONUS Contractor Technical Assistance during contingency operations per Scope of Work paragraph C.26. The man-day rate for this CLIN is \$_____	1	EA		\$_____
6001	SECURITY CLASS: Unclassified				
6001AA	<u>1ST OPTION PERIOD</u> NOUN: MEDIUM MINE PROTECTED VEHICLE <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin	EST. 211	EA	\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 50 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
6001AB	<p>In accordance with Scope of Work and ATPD-2372.</p> <p>(End of narrative F001)</p> <p><u>1ST OPTION PERIOD</u></p> <p>1ST OPTION PERIOD</p> <p>NOUN: VEHICLE HAND-OFF</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>In accordance with Scope of Work paragraph C.23</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____
6001AC	<p><u>1ST OPTION PERIOD</u></p> <p>1ST OPTION PERIOD</p> <p>NOUN: BASIC ISSUE ITEMS (BII)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 51 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
6001AD	<u>RESERVED</u> <u>Packaging and Marking</u> FOB POINT:			\$ _____	\$ _____
6001AE	<u>1ST OPTION PERIOD</u> NOUN: INITIAL SERVICE PACKAGE (ISP) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
6001AF	<u>1ST OPTION PERIOD</u> NOUN: AUTHORIZED STOCKAGE LIST (ASL) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
6001AG	<u>1ST OPTION PERIOD</u> NOUN: PRESCRIBED LOAD LIST (PLL)	1	EA	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 52 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
6001AH	<u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA		\$ _____
6001AJ	<u>1ST OPTION PERIOD</u> NOUN: NET OPERATOR TRAINING <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination NET Operator Training on the MMPV per Scope of Work paragraph C.18. The unit price for this class is: CONUS: Zone 1: \$ _____ Zone 2: \$ _____ Zone 3: \$ _____ OCONUS: Zone 4: \$ _____ See Clause H-36 (End of narrative F001)	1	EA		\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 53 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	CONUS: Zone 1: \$_____ Zone 2: \$_____ Zone 3: \$_____ OCONUS: Zone 4: \$_____ See Clause H-36 (End of narrative F001)				
6001AK	<u>1ST OPTION PERIOD</u> NOUN: INSTRUCTOR AND KEY PERSONNEL <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination Instructor and Key Personnel Training on the MMPV per Scope of Work paragraph C.18.3. The unit price for this class is \$_____ (End of narrative F001)	1	EA		\$_____
6001AL	<u>1ST OPTION PERIOD</u> NOUN: CONTRACTOR TECH ASST CONUS <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination CONUS Contractor Technical Assistance per Scope of Work, paragraph C.26. The man-day rate for this CLIN is \$_____. (End of narrative F001)	1	EA		\$_____
6001AM	<u>1ST OPTION PERIOD</u>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 54 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p>NOUN: CONTR TECH ASST-OCONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>OCONUS Contractor Technical Assistance during non-contingency operations per Scope of Work paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>				
6001AN	<p><u>1ST OPTION PERIOD</u></p> <p>NOUN: CONTR TECH ASST OCONUS CONTIG</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>OCONUS Contractor Technical Assistance during contingency operations per Scope of Work paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____
7001	<p>SECURITY CLASS: Unclassified</p>				
7001AA	<p><u>2ND OPTION PERIOD</u></p> <p>NOUN: MEDIUM MINE PROTECTED VEHICLE</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work and ATPD-2372.</p>	EST. 137	EA	\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 55 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7001AB	<p>(End of narrative F001)</p> <p><u>2ND OPTION PERIOD</u></p> <p>1</p> <p>NOUN: VEHICLE HAND-OFF</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>In accordance with Scope of Work paragraph C.23</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____
7001AC	<p><u>2ND OPTION PERIOD</u></p> <p>1</p> <p>NOUN: BASIC ISSUE ITEMS (BII)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 57 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>				
7001AH	<p><u>2ND OPTION PERIOD</u></p> <p>NOUN: NET OPERATOR TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Operator Training on the MMPV per Scope of Work paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p>	1	EA		\$_____
7001AJ	<p><u>2ND OPTION PERIOD</u></p> <p>NOUN: NET MAINTAINER TRAINING</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>NET Maintainer Training on the MMPV per Scope of Work paragraph C.18.</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 58 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7001AK	<p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p> <p><u>2ND OPTION PERIOD</u></p> <p>NOUN: INSTRUCTOR AND KEY PERSONNEL</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>Instructor and Key Personnel Training on the MMPV per Scope of Work paragraph C.18.3.</p> <p>The unit price for this class is \$_____</p> <p>(End of narrative F001)</p>	1	EA		\$_____
7001AL	<p><u>2ND OPTION PERIOD</u></p> <p>NOUN: CONTRACTOR TECH ASST CONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>CONUS Contractor Technical Assistance per Scope of Work, paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 59 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7001AM	<u>2ND OPTION PERIOD</u> NOUN: CONTR TECH ASST-OCONUS <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination OCONUS Contractor Technical Assistance during non-contingency operations per Scope of Work paragraph C.26. The man-day rate for this CLIN is \$_____. (End of narrative F001)	1	EA		\$_____
7001AN	<u>2ND OPTION PERIOD</u> NOUN: CONTR TECH ASST OCONUS CONTIG <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination OCONUS Contractor Technical Assistance during contingency operations per Scope of Work paragraph C.26. The man-day rate for this CLIN is \$_____. (End of narrative F001)	1	EA		\$_____
8001	SECURITY CLASS: Unclassified				
8001AA	<u>3RD OPTION PERIOD</u> NOUN: MEDIUM MINE PROTECTED VEHICLE <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin	EST. 35	EA	\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 60 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
8001AB	<p>In accordance with Scope of Work and ATPD-2372.</p> <p>(End of narrative F001)</p> <p><u>3RD OPTION PERIOD</u></p> <p>NOUN: VEHICLE HAND-OFF</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS: \$_____</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Destination ACCEPTANCE: Destination</p> <p>In accordance with Scope of Work paragraph C.23</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____
8001AC	<p><u>3RD OPTION PERIOD</u></p> <p>NOUN: BASIC ISSUE ITEMS (BII)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u></p> <p>INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p>In accordance with Scope of Work paragraph C.6.</p> <p>(End of narrative F001)</p>	1	EA	\$_____	\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 61 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
8001AD	<u>RESERVED</u> <u>Packaging and Marking</u> FOB POINT:			\$ _____	\$ _____
8001AE	<u>3RD OPTION PERIOD</u> NOUN: INITIAL SERVICE PACKAGE (ISP) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)		EA	\$ _____	\$ _____
8001AF	<u>3RD OPTION PERIOD</u> NOUN: AUTHORIZED STOCKAGE LIST (ASL) <u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)	1	EA	\$ _____	\$ _____
8001AG	<u>3RD OPTION PERIOD</u> NOUN: PRESCRIBED LOAD LIST (PLL)	1	EA	\$ _____	\$ _____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 62 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<u>Packaging and Marking</u> <u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin FOB POINT: Origin In accordance with Scope of Work paragraph C.6. (End of narrative F001)				
8001AH	<u>3RD OPTION PERIOD</u> NOUN: NET OPERATOR TRAINING <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination NET Operator Training on the MMPV per Scope of Work paragraph C.18. The unit price for this class is: CONUS: Zone 1: \$_____ Zone 2: \$_____ Zone 3: \$_____ OCONUS: Zone 4: \$_____ See Clause H-36 (End of narrative F001)	1	EA		\$_____
8001AJ	<u>3RD OPTION PERIOD</u> NOUN: NET MAINTAINER TRAINING <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination NET Maintainer Training on the MMPV per Scope of Work	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 63 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p>paragraph C.18.</p> <p>The unit price for this class is:</p> <p>CONUS:</p> <p>Zone 1: \$_____</p> <p>Zone 2: \$_____</p> <p>Zone 3: \$_____</p> <p>OCONUS:</p> <p>Zone 4: \$_____</p> <p>See Clause H-36</p> <p>(End of narrative F001)</p>				
8001AK	<p><u>3RD OPTION PERIOD</u></p> <p>NOUN: INSTRUCTOR AND KEY PERSONNEL</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>Instructor and Key Personnel Training on the MMPV per Scope of Work paragraph C.18.3.</p> <p>The unit price for this class is \$_____</p> <p>(End of narrative F001)</p>	1	EA		\$_____
8001AL	<p><u>3RD OPTION PERIOD</u></p> <p>NOUN: CONTRACTOR TECH ASST CONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>CONUS Contractor Technical Assistance per Scope of Work, paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 64 of 169
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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
8001AM	<p><u>3RD OPTION PERIOD</u></p> <p>NOUN: CONTR TECH ASST-OCONUS</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>OCONUS Contractor Technical Assistance during non-contingency operations per Scope of Work paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____
8001AN	<p><u>3RD OPTION PERIOD</u></p> <p>NOUN: CONTR TECH ASST OCONUS CONTIG</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>OCONUS Contractor Technical Assistance during contingency operations per Scope of Work paragraph C.26.</p> <p>The man-day rate for this CLIN is \$_____.</p> <p>(End of narrative F001)</p>	1	EA		\$_____

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 65 of 169
Name of Offeror or Contractor:		

*** END OF NARRATIVE B 0001 ***

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 66 of 169
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Name of Offeror or Contractor:

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
C-1	52.204-4003 (TACOM)	START OF WORK MEETING	MAY/2000

The contractor shall host a start of work meeting at its facility, unless some other location is designated in the contract, within seven (7) days after contract award. The contractor shall at a minimum invite the Contracting Officer's Representative (COR) identified in Section G or in an appointment letter, the Contract Specialist identified on the face page of this document, and the Administrative Contracting Officer (ACO). The COR, Contract Specialist, and ACO shall be given at least 7 days advance notice of the time, date, and location of the start of work meeting. The preferred method of notification is by email.

[End of Clause]

C-2	52.237-4000 (TACOM)	CONTRACTOR MANPOWER REPORTING (CMR)	FEB/2007
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The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site where the contractor will report ALL contractor manpower (including subcontractor manpower) required for performance of this contract. The contractor is required to completely fill in all the information in the format using the following web address: <https://cmra.army.mil> . The required information includes the following:

- (1) Contracting Office, Contracting Officer, Contracting Officer's Technical Representative;
- (2) Contract number, including task and delivery order number;
- (3) Beginning and ending dates covered by reporting period;
- (4) Contractor name, address, phone number, e-mail address, identity of contractor employee entering data;
- (5) Estimated direct labor hours (including sub-contractors);
- (6) Estimated direct labor dollars paid this reporting period (including sub-contractors);
- (7) Total payments (including sub-contractors);
- (8) Predominant Federal Service Code (FSC) reflecting services provided by contractor (and separate predominant FSC for each sub-contractor if different);
- (9) Estimated data collection cost;
- (10) Organizational title associated with the Unit Identification Code (UIC) for the Army Requiring Activity (the Army Requiring Activity is responsible for providing the contractor with its UIC for the purposes of reporting this information);
- (11) Locations where contractor and sub-contractors perform the work (specified by zip code in the United States and nearest city, country, when in an overseas location, using standardized nomenclature provided on website);
- (12) Presence of deployment or contingency contract language; and
- (13) Number of contractor and sub-contractor employees deployed in theater this reporting period (by country).

As part of its submission, the contractor will also provide the estimated total cost (if any) incurred to comply with this reporting requirement. Reporting period will be the period of performance not to exceed 12 months ending September 30 of each government fiscal year and must be reported by 31 October of each calendar year.

[End of Clause]

SECTION C, SCOPE OF WORK Table of Contents:

- C.1 SCOPE
- C.2 APPLICABLE DOCUMENTS
- C.3 SYSTEM REQUIREMENTS

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 67 of 169
	PIIN/SIIN W56HZV-07-R-0315	MOD/AMD	

Name of Offeror or Contractor:

C.4 DATA AND SOFTWARE DELIVERABLES
C.5 SYSTEM/PROJECT MANAGEMENT
C.6 HARDWARE DELIVERIES
C.7 MEETINGS/CONFERENCES
C.8 ILS DEVELOPMENT
C.9 MAINTENANCE CONCEPT
C.10 PARTS SUPPORT
C.11 PROVISIONING PROGRAM
C.12 EXPENDABLE DURABLE ITEMS LIST
C.13 SPECIAL TOOLS/TMDE
C.14 TECHNICAL PUBLICATIONS
C.14.5. NATIONAL MAINTENANCE WORK REQUIREMENTS (NMWR)
C.14.6. LOGISTICS DEMONSTRATION
C.15 MANPRINT
C.16 SAFETY ENGINEERING AND HEALTH HAZARDS
C.17 HAZARDOUS MATERIALS MANAGEMENT
C.18 TRAINING
C.19 PACKAGING
C.20 TEST & EVALUATION SUPPORT
C.21 QUALITY ASSURANCE
C.22 CONFIGURATION MANAGEMENT
C.23 VEHICLE HAND-OFF
C.24 LIFE CYCLE SUSTAINMENT
C.25 RELIABILITY, AVAILABILITY, MAINTAINABILITY (RAM) PROGRAM
C.26 TECHNICAL SUPPORT
C.27 MODELING & SIMULATION
C.28 CAMOUFLAGE LINE ART DATA

SECTION C, ATTACHMENTS Table of Contents:

1	PURCHASE DESCRIPTION
2	MAINTANCE ANALYSIS WORKSHEET
3	PROVISIONING DATA
4	TM REQUIREMENTS
5	RPSTL REQUIREMENTS
6	RESERVED
7	NMWR CANDIATE LIST WORKSHEET
8	PACKAGING DATA
9	PACKAGING DATA FORMAT
10	PACKAGING REQUIRMENTS
11	LOGISTICS DELIVERABLE TIME LINE
12	TDP WORKSHEET DEVELOPMENTAL DRAWINGS
13	MODEL METADATA
14	RECOMMENDED BII

C.1 Scope

C.1.1 The United States Government has a requirement for blast-protected vehicles to support Engineer and Explosive Ordnance Disposal units. This statement of work defines the effort required to produce and field the Medium Mine Protected Vehicle (MMPV). The Medium Mine Protected Vehicle is a blast protected, wheeled vehicle platform that will operate in explosive hazardous environments to support emerging Future Engineer Force (FEF) Clearance Companies in route and area clearance operations, Explosive Hazards Teams in explosive hazards reconnaissance operations, and EOD companies in Explosive Ordnance Disposal operations. Additionally the MMPV provides Command and Control and Electronic Counter-measures for explosive hazards in support of military operations. During route clearance operations, the Vehicle Mounted Mine Detection system (VMMD) and Mine Protected Clearance Vehicle (Buffalo MPCV) complement the MMPV.

C.1.2 The MMPV will enter the Acquisition Life Cycle at Milestone C (Production and Deployment) and immediately begin Low Rate Initial Production (LRIP). The Government is seeking an existing, proven material solution for the MMPV that represents low risk in force protection/system survivability, system-level maturity, manufacture, supportability, and life cycle cost. Full Material Release and a favorable Full Rate Production Decision will depend in large part on acceptable performance in test and evaluation and operational assessment; no significant manufacturing risks; acceptable interoperability; acceptable operational supportability; and demonstration that the system is affordable throughout its life cycle.

C.1.3 The Contractor shall manufacture and deliver an MMPV System that meets all the threshold technical requirements of the Automotive-Tank Purchase Description for the Medium Mine Protected Vehicle, Number ATPD-2372 (dated 27 April 2007) (Attachment 001). Delivery

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 68 of 169
	PIIN/SIIN W56HZV-07-R-0315	MOD/AMD	

Name of Offeror or Contractor:

Orders under this contract will specify the quantities, delivery dates, destinations, paint color in accordance with paragraph 3.2.6 of the Purchase Description (PD). This scope includes both the development of the Hardware and the Logistics required to support the MMPV.

C.2 APPLICABLE DOCUMENTS

C.2.1 The following documents form a part of the SOW to the extent specified herein. Additional applicable documents can be found in the MMPV Purchase Description (Section 2). Note: While every effort has been made to ensure the completeness of these lists, offerors are cautioned that they must meet all the specified requirements in MMPV Purchase Description (cited in Sections 3 & 4), whether or not they are listed in Section 2 of the PD.

-Federal Motor Vehicle Safety Standards and Regulations (U.S. Department of Transportation, National Highway Traffic, Safety Administration, Safety Assurance, Office of Vehicle Safety Compliance)

-AFJMAN 24-104/TM 38-250

-AR 700-15

-AFJMAN 24-104/TM 38-250

-DLAD 4145.41/AR 750-143

-MIL-STD-129

-MIL-STD-2073-1

C.2.2 The following documents form a part of the SOW to the extent specified herein. The listing of required documents may not be fully inclusive of all required specifications or standards required for support of logistic documentation development.

Note: The most recent versions of these documents shall be utilized. Data Items can be found at:

http://assist.daps.dla.mil/quicksearch/fsc_quicksearch.cfm

DATA ITEMS

DI-ADMN-81505	REPORT, RECORD OF MEETING/MINUTES
DI-ALSS-80686	SPECIAL TOOLS TEST EQUIPMENT (STTE)
DI-ALSS-81529	LOGISTICS MANAGEMENT INFORMATION DATA PRODUCTS
DI-ALSS-81530	LOGISTICS PRODUCTS
DI-CMAN-80639C	ENGINEERING CHANGE PROPOSAL (ECP)
DI-CMAN-80640C	REQUEST FOR DEVIATION (RFD)
DI-CMAN-81253A(T)	CONFIGURATION STATUS ACCOUNTING INFORMATION
DI-ILSS-80868 (T)	SUPPORT EQUIPMENT TOOLS AND TEST EQUIPMENT
DI-ILSS-80872	TRAINING MATERIALS
DI-MGMT-80177A	BAR CODE IDENTIFICATION REPORT
DI-MGMT-80368A	STATUS REPORT
DI-MISC-80176A	CAMOUFLAGELINE ART DATA
DI-MISC-80508A	TECHNICAL REPORT STUDY/SERVICES
DI-MISC-81397	HMP REPORT
DI-PACK-80120B	PACKAGING
DI-PACK-80121B	SPECIAL PACKAGING INSTRUCTIONS (SPI)
DI-PACK-80880C	TRANSPORTABILITY REPORT
DI-QCIC-81110	INSPECTION AND TEST PLAN
DI-SAFT-80102B	SAFETY ASSESSMENT REPORT
DI-SESS-81000C	PRODUCT DRAWINGS/MODELS AND ASSOCIATED LISTS
DI-SESS-81002D	DEVELOPMENTAL DESIGN DRAWINGS/MODELS AND ASSOCIATED LISTS
DI-SESS-81315	FAILURE ANALYSIS AND CORRECTIVE ACTION REPORT

SPECIFICATIONS/STANDARDS

MIL-DTL-31000C	TECHNICAL DATA PACKAGES
MIL-HDBK-1222C-1	GUIDE TO STYLE AND WORK PACKAGES FOR TECHNICAL MANUALS
MIL-PRF-49506	PERFORMANCE SPECIFICATION IN LOGISTICS MANAGEMENT INFORMATION
MIL-PRF-63002J	REQUIREMENTS FOR PREPARATION OF
MODIFICATION WORK ORDERS	
MIL-PRF-63004D	LUBRICATION ORDERS
MIL-STD-882D	STANDARD PRACTICE FOR SYSTEM SAFETY
MIL-STD-1472F	DOD HUMAN ENGINEERING
MIL-STD-1474D	DESIGN CRITERIA STANDARD: NOISE LIMITS
MIL-STD-2073-1D	STANDARD PRACTICE FOR MILITARY PACKAGING
MIL-STD 3003	PREPARATION FOR SHIPMENT AND STORAGE OF WHEELED VEHICLES
MIL-STD-40051-2	PREPARATION OF DIGITAL TECHNICAL INFORMATION FOR PAGE-BASED TECHNICAL MANUAL

CONTINUATION SHEET	Reference No. of Document Being Continued	Page 69 of 169
	PIIN/SIIN W56HZV-07-R-0315MOD/AMD	
Name of Offeror or Contractor:		

OTHER GOVERNMENT DOCUMENTS

DA PAM 700-60	DEPARTMENT OF THE ARMY SKO
DA PAM 700-21	TMDE REGISTER INDEX
AMC-P 700-25	GUIDE TO PROVISIONING
ASTM D4169	STANDARD PRACTICE FOR PERFORMING TESTING OF SHIPPING CONTAINERS
NAS 411	HAZARDOUS MATERIALS MANAGEMENT
FM 21-10	FIELD HYGIENE AND SANITATION
CFR 29, 40, 49	CODE OF FEDERAL REGULATIONS
AFMAN 24-204	HAZMAT AND GENERAL PACKAGING
QAPQ	QUALITY ASSURANCE PROVISIONING GUIDANCE
INTERNATIONAL MARATIME DANGEROUS GOODS CODE	
TB 750-93-1	FUNCTIONAL GROUP CODES (FGC) TECHNICAL BULLETIN
AR 750-1	ARMY MATERIAL MAINTENANCE POLICY
MIL-HDBK-502	ACQUISITION LOGISTICS
FM 3-5	NBC DECONTAMINATION
TRADOC REG 350-70	TOTAL ARMY TRAINING SYSTEM
AR 700-15	PACKAGING OF MATERIEL

C.3 SYSTEM REQUIREMENTS.

C.3.1 Performance requirements for the MMPV are listed in ATPD 2372. The Contractors proposed system must meet or exceed all threshold requirements in the MMPV Purchase Description. The Government reserves the right to test the proposed MMPV against the requirements of the Purchase Description and Contractor technical proposal.

C.3.2 The Contractor, as an independent Contractor and not as an agent of the U.S. Government, shall furnish all data, supporting labor, supplies, services, facilities and equipment necessary for the delivery of MMPVs, as required under this contract.

C.3.3.1 Transportability. The Contractor shall deliver a transportability report within 75 days of contract award for the MMPV IAW CDRL A001. Transportation plans, load plans, shipping and clearance diagrams shall be prepared in accordance with and guidance specified in Chapter 6, MTMCTEA Pam 70-1 and DI-PACK-80880C.

C.3.3.2 The Contractor shall provide a system physical shipment configuration procedure and information necessary to support the US Army in obtaining an air transportability certificate with the US Air Force.

C.3.4 The Government reserves the right to withhold payment of hardware if data deliverables are delinquent. The Contractor is responsible for ensuring that all data deliverables required in this scope are completed and accepted in order to meet contractual over pack requirements.

C.4 DATA AND SOFTWARE DELIVERY

C.4.1 The Contractor is responsible for meeting all of the requirements defined in this contract. The Contractor shall furnish all information, data and software required for testing, Logistics Demonstration, Verification, and fielding electronically in accordance with the provisions of this contract.

C.4.2 The Contractor shall deliver all data in English.

C.4.3 All data submitted must be in MS Office Suite and Windows 2000 compatible format

C.4.4 Electronic Submissions:

C.4.4.1 Cover/Transmittal Letter: The Contractor shall annotate the following information in the electronic cover letter for the submission:

Contract Number
CDRL Number and Item (e.g., A001 TRANS RPT)
Delivery Type (Draft, Final)
Date
Contractor Name
System Name

C.4.4.2 The contractor shall use the following naming convention for electronic files submitted:

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page 70 of 169</p>
--	--	--

Name of Offeror or Contractor:

CDRL Number and Item
Delivery Type (Draft, Final)
Date

For example: A001 Trans Rpt Draft 1 Aug 07.doc

C.4.6 The Procuring Contracting Officer (PCO) is the approving authority for all documents delivered under this contract. All guidance will be provided by PCO. Any guidance provided by any other Government representative should immediately be brought to the PCOs attention for concurrence or rejection of the guidance. Only the Government PCO is authorized to modify or change this scope of work.

C.5 SYSTEM/PROJECT MANAGEMENT [CDRL A006]

C.5.1. The Contractor shall provide a detailed Integrated Master Schedule (IMS) covering the first twenty-four (24) months of the contract, updated from the Start of Work Meeting, outlining its plans for meeting the required delivery schedules for the hardware services and data documentation under this contract. The IMS shall identify all work events that are required to achieve the required delivery dates. The schedule(s) shall clearly identify critical path activities. The IMS shall be delivered and updated on a monthly basis in accordance with CDRL A006. Microsoft Project is the preferred format. If another software program is used, the Contractor shall provide software licenses and training to the Government as required to access and review the IMS in electronic format (maximum of 10 Government users).

C.5.2 The Contractor shall provide Government personnel with in-plant (prime and subcontractors) access to hardware and all technical and logistics data in support of all contract efforts. The Contractor, upon request, shall allow Government review of all documents generated through the course of the contract.

C.6 HARDWARE DELIVERY

C.6.1 The Contractor is responsible for meeting all of the requirements defined in this contract. The Contractor shall furnish all additional hardware, support equipment, and support packages required throughout this scope of work. In addition to the equipment defined below, the Contractor is required to provide parts and equipment required for testing, Logistics Demonstration and Verification, and Fielding.

C.6.2 Basic Issue Items (BII). (CDRL A002)
BII are those items identified as essential for an operator or crew to place the MMPV into initial operation to accomplish its defined purpose. These items are essential to perform (Operator Maintenance) repairs which cannot be deferred until completion of an assigned mission. The BII are not listed on the engineering drawings. The BII includes those select common and special purpose tools, Test Measurement and Diagnostics Equipment (TMDE), Operator publications, first aid kits, and safety equipment (for example fire extinguishers). Although spare and repair parts are not normally included in BII, any items that would be required in the BII based on the vehicles unique design shall be identified/included in Attachment 014 (Recommended BII). The Contractor shall provide an initial list of recommended BII items that the Government will review and provide a final list to the contractor for provisioning. The pricing received with the offerors proposal will be incorporated into the contract.

C.6.3 Component Of End Items (COEI) (CDRL A003)
All major components of the MMPV will be identified and described in the appropriate MMPV operator's manual. In addition, any component identified on the engineering drawing that is physically separate and distinct and that must be removed from the MMPV and separately packaged and stored for transportation will be separately listed by National Stock Number (NSN) in a table as an appendix in the operator's manual. The Contractor shall provide an initial list of recommended COEI items which the Government review and provide a final list to the contractor for provisioning. The Contractor shall provide an initial list of recommended COEI items which the Government review and provide a final list to the contractor for provisioning. The pricing received with the offerors proposal will be used.

C.6.4 Initial Service Package (ISP) (CDRL A004)
The Contractor shall over-pack an Initial Service Package with each vehicle so the Government can properly service the MMPV vehicle. The ISP shall consist of all service parts and/or items required to meet warranty service requirements (See C.23.1.5) and perform the first scheduled maintenance; this package shall also include all mandatory replacement parts required for the service. The Contractor shall mark each item with the nomenclature and part number to ensure the correct application.

C.6.5 Hardware Spares Support
ASL shall be delivered with each fielding of the MMPV and shall be capable of supporting 22 systems for the stated time period. PLL shall be delivered with each vehicle produced under this contract. PLL shall be consolidated and packaged separately from the individual vehicles. ASL and PLL shall be packaged in separate containers IAW with paragraph C.19 of this SOW. (CDRL A004)

C.6.5.1 Authorized Stockage List (ASL) (CDRL A004) consists of a Stockage of parts that are stocked at each support / direct support

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 71 of 169
---------------------------	--	-----------------------

Name of Offeror or Contractor:

unit or Government base that the MMPV will be fielded to. The ASL shall be able to support the projected number of fielded vehicles for the first 12 months of the contract. ASL consists of major assembly items, items that have a long lead time for procurement, items that may have a shorter than normal useful life span. Examples of ASL items are; Engine, Transmission, Transfer, Axles, Air and Fluid Filters.

C.6.5.2 Prescribed Load List (PLL) (CDRL A004) packages repair parts and spares. The Contractor shall provide one PLL package per unit/company fielded. The PLL items shall be delivered with quantities sufficient to support 22 vehicle fielded to a company/unit. The PLL shall be able to support the fielded vehicle for the first 12 months of the contract. PLL will consist of common items that unit level maintenance personnel can replace. Examples of PLL items are; Lights, Fan Belts, Fuses, Switches, Circuit Breakers ect. as well as the ISP.

C.6.6 Ballistic Test Coupons. The contractor shall deliver test coupons for each armor material recipe/configuration used in/on the MMPV for test and evaluation as specified below not later than 120 days after contract award to Aberdeen Test Center as specified in the delivery order. The coupons shall be representative of the production vehicle including the thickness(es), spacing(s), as well as the Spall liner, if used.

C.6.6.1 Transparent Armor Coupons:

Size: 400 mm X 400 mm (Length x Width); Quantity: 8

C.6.6.2 Opaque Armor Coupons:

Size: 24 inch X 24 inch (Length x Width); Quantity: 6

C.7 MEETINGS/CONFERENCES/REVIEWS. The Contractor and Government will shall have meetings and reviews during this contract's performance period as outlined below. The objectives of these meetings are to review progress and provide guidance on contractual, technical, logistics, or other issues that are critical to successful contract performance. The Contractor shall provide a draft agenda for Government review seven days prior to the meeting. At the conclusion of each meeting, the Government and Contractor will jointly write and agree on a summary of the key items of discussion. The summary will identify all action items assigned for both parties to accomplish, along with a completion date for each action item, and all actions requiring Contracting Officer approval. The Contractor shall take minutes for all meetings, and submit them to the Government for review and approval. The contractor will distribute the Government approved minutes to all parties not later than 10 days after the completion of the meeting, in accordance with CDRL A005. The Contractor shall attend the following meetings, as well as any additional meetings mutually agreed to by both parties:

- a) Start of Work (SOW) Conference
- b) Maintenance, Provisioning, and Publication (MPP) Review
- c) Maintenance Analysis Planning meeting
- d) Provisioning Conference
- e) Integrated Product Team Meetings
- f) Contract Status Review Conference
- g) Program Status Reviews
- h) Pre-First Article Test Meeting

C.7.1 Start of Work (SOW) Conference

C.7.1.1 Seven (7) days after contract award a Start of Work Conference shall be held at the Contractors facility. This meeting will focus on contract terms and conditions, a review of all data requirements, required specifications, program schedule, test requirements and relevant logistics requirements to ensure a complete understanding of the requirements. The meeting shall also include a reliability meeting, publications meeting, a provisioning guidance conference, and a new equipment training meeting, as well as the formation of Government/Contractor integrated product teams (IPT). The Start of Work objective is to confirm a full and mutual understanding of Government requirements, program obligations, objectives, and responsibilities, and to conduct an overall review of the projected Contractor approach, general assumptions, schedule, anticipated level of effort, and any other areas needing clarification.

C.7.1.2 The Contractor shall make available contract administration personnel, management, engineers, logistic support, and other personnel involved with producing the MMPV. Corporate participation may include appropriate major and critical subcontractor representatives, at the discretion of the contractor. Representatives from the following corporate and Government management functions shall participate in the Start-of-Work meeting: program office, customer (operational user), technical, and functional management, PCO, Administrative Contracting Officer, financial, and other personnel with an assigned management responsibility for the MMPV. The PCO and contractor lead will finalize the attendance list prior to the start of work meeting.

C.7.1.3 At the Start of work meeting, the Contractor shall present detailed paths and/or milestone graphic presentations that detail the performance necessary to meet contract delivery requirements as defined in the Scope of Work. The Contractor shall provide to the Government an internal list of all functional Contractor personnel involved in this contract. This list will be updated as changes occur to maintain accuracy. The following discussions are to be part of the Start of Work Conference:

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 72 of 169
---------------------------	--	-----------------------

Name of Offeror or Contractor:

Contract/SOW/CDRL/PD Review

Contract Deliverables and Administration (DCMA)

Integrated Program Schedule, milestones, fielding

Test & Evaluation

Safety

Fielding/New Equipment Training

Logistics:

- Provisioning Guidance: to provide guidance to the Contractor for documenting and submitting provisioning data.
- Engineering Data for Provisioning (EDFP): During this conference, the Government will discuss all EDFP requirements.
- Publications Guidance: To review and discuss publications requirements.
- Maintenance Planning: To review and discuss operator and maintenance functions and what constitutes reparable items.
- Other Integrated Logistics Support (ILS) issues.

C.7.2 Maintenance, Provisioning, and Publication (MPP) Review: These conferences will be held at the Contractors facility unless the parties agree to move it to a different location. The first conference will be held fifteen (15) days after the Start of Work Meeting. At that meeting the next MPP Conference will be scheduled. An MPP Review will be held each month for 18 months. The areas identified in paragraphs C.7.2.1 C.7.2.4 below shall be discussed at the MPP review.

C.7.2.1 Provisioning Data: The Government shall review the Contractors available provisioning data and provide guidance.

C.7.2.2 Engineering Data for Provisioning (EDFP): The Government shall review all EDFP requirements. The Government shall review the Contractors EDFP, to facilitate the NSN request process, prior to the provisioning conference.

C.7.2.3 Publications Guidance: The Government shall review and discuss publications requirements. The Government will review at least one work package that the Contractor has prepared to provide clarification and guidance.

C.7.2.4 Maintenance Analysis Planning meeting: The Government shall review and discuss operator and maintenance functions and reparable items.

C.7.3 Provisioning Conference: A Provisioning Conference shall be held (at the contractors facility) fifteen (15) days after the first MPP review. Follow-on provisioning conferences will be held at the contractors facility on a quarterly basis. The contractor shall provide the following documentation at each conference:

1. Hard copy of the Provisioning Parts List (PPL) in a format acceptable to TACOM Commodity Command Standard System (CCSS) database (1552 or LSA-036 format).
2. Each line (Part List Item Sequence Number) on the Provisioning Parts List (PPL) will have an accompanying Engineering Data for Provisioning (EDFP) or other supporting documentation
3. Facilities and office space including copying and data processing access.
4. Access to the End Item

C.7.4 Integrated Product Teams and Integrated Product Team Meetings. Integrated Product Teams (IPTs) shall be used in the manufacture, test, refurbishment, and management phases of this program. These IPTs shall include Government, Contractor, and Subcontractor participation. The IPT will be used as a forum for program reviews, design reviews, resolution of issues, and other contract-related items. IPT meetings may be held at the Contractors or Governments facilities. IPT meetings will be held every four (4) months. Conference calls/video conferences may suffice for IPT meetings, when appropriate. The Government and Contractor will jointly schedule the meetings and establish the agenda at least 10 working days before the IPT start to allow for travel time.

C.7.4.1 Contract Status Review Conferences. The Contractor shall provide technical and managerial representative(s) to review contract status in conjunction with integrated product team meetings. Topics to be discussed shall include contract status, testing,

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 73 of 169
---------------------------	--	-----------------------

Name of Offeror or Contractor:

production, logistics, technical issues, and deliverables. The Contractor will coordinate an agenda with the Procuring Contracting Officer (PCO) no later than 5 days prior to the meeting. Additional conferences may be called by either the Government or the Contractor as necessary to clarify any questions regarding contract requirements.

C.7.4.2 Program Status Reviews. Program Status Reviews (PSRs) will be conducted in conjunction with integrated product team meetings, until completion of all data deliverables. The meetings will cover the Contractor's production status, data deliverable status, and progress on all logistics requirements. Supportability Integrated Product Team (SIPT) meetings will be part of the PSRs.

C.7.5 When meetings are held at the Contractor's facility, the Contractor will make the following available for the Government's use:

- (a) Applicable technical, logistics or other documentation (including drawings, computer data bases, publications, and other applicable data)
- (b) Applicable Computer resources compatible with Government Automated Data Processing.
- (c) Access to Internet, via LAN connection
- (d) Access to an MMPV System

C.7.6 A Pre-First Article Test Meeting shall be held ninety (90) days prior to Government FAT at a Government specified test facility to review and discuss testing, support, and training.

C.7.7 The Government reserves the right to call any other meetings required for successful execution of the MMPV contract and program, throughout the life of this program. If the Government determines another meeting is required, the Government will provide the Contractor with ten (10) days notice.

C.7.8 Meeting Minutes. Prior to the conclusion of each meeting, the Government and Contractor will jointly write and agree on the draft minutes. The summary will identify all action items assigned for both parties to accomplish, along with a completion date for each action item, and all actions requiring Contracting Officer approval. The contractor shall take minutes for all meetings. The contractor shall compile a complete account of all meetings and reviews and provide them to the Systems Acquisition Manager (SAM) for acceptance. The contractor shall distribute draft minutes at the completion of all meetings and reviews. The contractor shall distribute SAM approved minutes not later than 5 days after each meeting. [CDRL A005]

C.8 INTEGRATED LOGISTICS SUPPORT (ILS) DEVELOPMENT

C.8.1 The Contractor shall create logistics documentation for the delivered MMPVs. This documentation shall include all components, assemblies, or parts changed or inserted in the MMPV due to testing, upgrades, or design changes.

C.8.2 The Contractor shall submit acceptable documentation on the required due date as detailed in the applicable Scope of Work paragraphs and CDRLS. It is the Contractors responsibility to validate the accuracy of all documentation prior to submittal to the Government. If the Government finds that there has not been validation of data submitted, review of documentation will cease and the data submittal will not be considered for acceptance.

C.8.3 Government receipt of documentation does not constitute acceptance. Government acceptance of documentation is contingent upon on the completeness, accuracy, compatibility of submitted documentation and the following of applicable military standards.

C.8.4 The Contractor shall use Military Performance (MIL-PRF) Specification 49506, Logistics Management Information (LMI), dated 11 November 1996, in identifying content, format, delivery and related guidance for logistics data except as otherwise identified in this contract.

C.9 Maintenance Concept. The MMPV will be serviced, maintained, repaired and overhauled at the lowest levels possible. This will require the utilization of the Army two level maintenance policy, as outlined below and in accordance with AR 750-1. The Contractor shall conduct a Maintenance Analysis and Supportability Analysis to develop logistics products described in this contract. The Contractor will use Military Performance (MIL-PRF) 49506 for use in identifying content, format, delivery and related guidance for logistics data, except where otherwise identified in this contract.

C.9.1 Maintenance Analysis [CDRL A007]. The Contractor shall analyze the operational, maintenance and support function of the system in the identification of required operator and maintenance tasks. Maintenance of the MMPV will be driven by the Army two level maintenance concept: Field and Sustainment. The analysis shall be documented in Contractor format as an LMI summary entitled "Maintenance Analysis" (See Attachment 002) and shall identify maintenance functions, levels of maintenance, manpower, spare parts and the support equipment required.

NOTE: Maintenance tasks shall be designated to the appropriate Level of Maintenance in accordance with AR 750-1.

C.9.1.1 Field Level Maintenance is comprised of the Unit (Crew, Organizational) and Direct Support functions. The Field Maintenance consists of Operators/Crew, Organizational and selected Direct Support maintenance capabilities from the previous four level maintenance system where the maintenance functions of inspection, test, service, adjust, align, remove/install, install, replace, and repair are

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 74 of 169
---------------------------	--	-----------------------

Name of Offeror or Contractor:

performed. Field Maintenance will consist of Preventative Maintenance Checks and Services (PMCS) (lubricate, clean, preserve, tighten, replace, adjust), inspection of external and easy access components, diagnosis of faults repairs accomplished on a component, accessory, assembly, subassembly, plug-in unit or other portions either on the system or after it is removed from the equipment. Field Level Maintenance is conducted in a field environment forward of the operating base. Major assemblies that require rebuild are evacuated to Sustainment Level Maintenance for repair or rebuild and then returned to the supply system for re-issue.

C.9.1.2 Sustainment Level Maintenance is comprised of General Support and Depot functions. Sustainment Maintenance consists of repairing components, assemblies, modules, and end items in support of the supply system. Sustainment maintenance is characterized as "off system" and "repair rear". The intent of this level is performing commodity-oriented repair on all supported items to one standard that provides a consistent and measurable level of reliability. GS Maintenance provides rear echelon repairs of major components or assemblies, sub-assemblies or plug-in units to like new or nearly new condition. MMPV System components repaired at GS Level are turned in to the Army Supply System as replacement parts ready for issue. Such repairs or restorations require skills, tools and expertise not found in the unit-focused, forward Field Level maintenance support facilities. GS maintenance is skilled repairs to include routine calibration, but it does not include overhaul nor specialized machining or specialized calibration such as calibration of fuel injector pumps. Procedures beyond the skills of GS maintenance (Depot Level Maintenance) will not be addressed in the GS portions of the TM. Sustainment Level Maintenance requires a National Maintenance Work Requirement (NMWR).

C.9.1.3 The analysis shall determine maintenance requirements, including all Preventative Maintenance Checks and Services (PMCS), based on: (1) identification of components which are critical in terms of mission and operating system; (2) components whose functional failure will not be evident to the operator; (3) economical and/or operational consequences of failure; and (4) when scheduled maintenance can prevent failures (A007).

C.9.2 MAINTENANCE PLANNING

C.9.2.1 The Contractor shall conduct Maintenance Planning that determines maintainability characteristics of the MMPV. This analysis shall be incorporated into the Maintenance Analysis (see 002) (CDRL A007) described in Scope of Work paragraph C.9.1 and shall identify all maintenance functions, manpower, spare parts, and the support equipment required. The analysis will be in End Item hardware top down breakdown, disassembly sequence with attaching hardware being called off first. It will identify Functional Group Codes (FGC) in accordance with Technical Bulletin (TB) 750-93-1 for each repairable item.

C.9.2.2 The Contractor shall develop a supportability analysis as part of the overall management and engineering process for the MMPV. This analysis shall address the supportability requirements of the MMPV in terms of operation and maintenance task requirements and the associated support resources to support it. This supportability analysis shall be incorporated into the Maintenance Analysis (see Attachment 002) (CDRL A007) described in Scope of Work paragraph C.9.1.

C.10 PARTS SUPPORT

C.10.1 Interim Parts Support Contract (IPSC). The Contractor agrees to enter into a separate parts support contract to sustain the MMPV for twelve (12) months beginning at FUE, with an option for an additional 12 months of support. The intent of the IPSC is to allow the Government to sustain beyond the initial ASL & PLL, and provide spare and repair parts as needed to fielded units until the MMPV is fully organically supportable IAW paragraph C.10.2 below. The contractor shall be responsible for all shipping and packaging requirements IAW this SOW/Contract. The timeline and delivery schedule of parts shall be IAW paragraph C.10.5 below. The Government will use the pricing data received in the Contractors proposal and pricing negotiated in paragraph C.10.3.

C.10.2 Direct Vendor Delivery (DVD) Contract. The Contractor agrees to enter into a separate parts support contract with the Defense Supply Center Columbus (DSCC) of the Defense Logistics Agency (DLA) for the expected life of the vehicle (at least 15 years). The initial contract will be for one to five years for a ready means of acquisition of replacement parts and/or components in support of the MMPV. It will include option periods for up to a 15-year Indefinite Quantity Contract (IQC), with prices negotiated annually. (Note: DLA may elect to award options of different lengths but the total length of support will be for 15 years.). The Contractor must be able to process both manual and electronic orders for DLA stock purchases and manual orders for TACOM and Foreign Military Sales (FMS) requirements.

C.10.3 Pricing data for spare parts support. The Contractor shall deliver a complete priced parts list for the MMPV within 30 days of contract award. The items on the pricing list are directly related to the provisioning effort required per this contract in that all procurable parts are required to be provisioned and are also required to be on the priced parts list required per this paragraph and CDRL A008. The priced parts list shall also match the Bill Of Materials (BOM) for the MMPV to the extent the parts are applicable. The Government intends on validating pricing that was not included in the contractors price proposal for ASL, PLL, and ISP after contract award by using the current army WEBFLIS and LOGRUN data base to find like items and manufactures pricing. The pricing parts list shall include the part name, price, unit of issue, and required lead time for delivery.

C.10.4 Electronic Data Interchange (EDI) Transactions

C.10.4.1 The Contractor shall provide parts support using Electronic Data Interchange (EDI) transactions. Direct coordination between

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 75 of 169
---------------------------	--	-----------------------

Name of Offeror or Contractor:

the Contractor and the DLA will be required prior to the use of EDI. To allow the EDI process to happen, the Contractor shall fill out a Trading Partner Profile Worksheet (TPPW) and sign a Trading Partner Agreement. To support these EDI transactions, the Contractor shall establish links that are compatible with the DLA's EDI process. The Government will not fund the effort related to setting up the electronic links or other associated costs needed to set up DVD communications systems. If such costs are incurred, the Contractor shall include them in the vehicle prices proposed under MMPV contract.

C.10.4.2 In employing these EDI processes, the Contractor will need to incorporate predetermined communication filters to allow electronic transmissions using ANSI X12 standards. The ANSI X12 standards include, but are not limited to, transaction sets for purchase orders, delivery orders, invoices, and other contractual business related information between the Government and the Contractor.

C.10.5 Delivery Schedule

Each electronic Delivery Order placed under this contract will be based on issue group number and will include an Issue Priority Designator (IPD). The IPD designates the equated combination of force/activity and urgency of need. The following are required times under DVD for a stocked item to arrive at the designated location. Overseas locations will be shipped to a designated containerization point for transshipment on military aircraft/vessel to the originator. All efforts should be made to improve on the following delivery times:

ISSUE GROUP	IPD	Required Delivery Schedule
DVD Purchases	01-03	2 Days
DVD Purchases	04-15	5 Days
Stock (Depot) Orders		10 Days
FMS Orders		30 Days

C.10.6 Bar-code Labeling of Individual Shipments

C.10.6.1 The Contractor shall apply bar-coded labels to every shipment made under the DLA Parts Support Contract. The Government will not separately fund the effort related to meeting the bar-coding requirements. If such costs are incurred, they are included in the vehicle prices proposed under this contract. A bar code label is required for each exterior container or palletized load that contains a single item, each unit pack and intermediate container used in addition to the exterior container, and/or each item being shipped loose or unpacked.

C.10.6.2 In addition to other marking requirements in this contract, the Contractor shall provide the following separate lines of bar-coded data, with Human-Readable Interpretation (HRI) printed directly below the element:

C.10.6.2.1 Document number and suffix (The Document Number consists of a 14-character (15 characters when a suffix is included) alphanumeric code. It may be listed on a contract/order as the Requisition Number, Transportation Control Number (TCN), etc.)

C.10.6.2.2 National Stock Number (NSN) (in absence of the NSN, the CAGE and Part Number) (The NSN will appear as a 13-digit code without the dashes.)

C.10.6.2.3 ICP Routing Identifier Code (RIC), Unit of Issue, quantity, condition code, distribution code, and unit price. (The RIC is a three digit alpha-numeric code; the appropriate "UI" will appear as a two digit alpha character; the "QTY" will appear as a five position code, including zero fillers left of the number; the condition code will always be listed as an "A;" the distribution code will be a two position zero filled code; and the unit price will be a six position zero filled code. No spaces shall separate the individual data elements.)

C.10.6.2.4 The bar code symbology shall be Code 3 of 9 (Code 39) in accordance with AIM BCI. (Copy of AIM BCI is available from: AIM USA, 634 Alpha Drive, Pittsburgh, PA 15238-2802 (412) 963-8588.)

C.10.7 Unique Identification (UID) In accordance with DFARS 252.211-7003 Item Identification and Valuation, the Contractor shall provide unique identification marking IAW CDRL A039 of all items stocked, stored, issued or used; or any product, including systems, materiel, parts, subassemblies, sets, and accessories delivered under this Contract. Reference documents to be used as guidance are, DoD Guide to Uniquely Identifying Items V1.4 dated 16 April 2004; MIL-STD-130 Revision M; ATA Spec 2000, ISO/IEC 1543/ISO/IEC 15415.

C.11 PROVISIONING PROGRAM. Provisioning requires three key elements: the Provisioning Parts List (PPL), the Engineering Data for Provisioning (EDFP), and the Pre-procurement Screening (PPS). The Contractor is responsible to provide data required, as defined in this scope of work for each element. The Contractor shall develop and conduct a comprehensive provisioning program for the MMPV that allows for organic (Army) support. The Contractor shall develop provisioning data for the MMPV in accordance with MIL-PRF-49506, guidelines of MIL-HDBK-502, and Logistic Management Information (LMI) data worksheets found in 003. The Government shall use the guidance contained in the Quality Assurance Provisioning Guidance Book (QAPG) and AMC PAM 700-25 for acceptance of provisioning data delivered under the provisions of contract.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 76 of 169
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Name of Offeror or Contractor:

C.11.1 Provisioning Parts List (A008). The Contractor shall develop and deliver LMI, (Provisioning Parts List (PPL)) as specified on the LMI data worksheet, 003, for all parts, special tools, BII, COEI, and Additional Authorized List (AAL) items identified on the MMPV. LMI (PPL) data is required IAW MIL-PRF-49506 (dated 11 Nov 96).

C.11.1.1 The Contractor shall use the PCCN and PCCs provided. The Government will provide the PCCN and PCCs to the contractor within 30 days of contract award.

C.11.1.2 The Commodity Command Standard System (CCSS) has various methods by which the Contractor can deliver provisioning data and the Government will discuss these methods at the start of work meeting. All submissions of the LMI/PPL data must be compatible with the Governments CCSS/Provisioning on Line System. The data shall be capable of being loaded into the Governments Provisioning Master Record (PMR) without any modification to the data.

C.11.1.3 The Contractor shall correct rejections within 15 days and resubmit them electronically in ASCII text with accompanying 80/80 listing. The Contractor shall ensure that only those items that are repair parts or part of the end item's top-down generation breakdown will be loaded in the PMR. The Government will not accept any data that does not meet the stated requirements.

C.11.1.4 The Provisioning Parts List (PPL) shall be used to determine the range and quantity of support items required for maintenance and repair of the End Item. This includes all repairable Commercial off the Shelf (COTS) items, unless excluded by the Government. The PPL shall contain all tools, test equipment, repair kits and repair parts sets required to maintain the End Item, component or assembly equipment, unless excluded by the provisioning requirements. The PPL shall be formatted in accordance with 003 (PPL).

C.11.1.5 Input media requirements for provisioning data: TACOM uses the Army Materiel Command (AMC) developed Commodity Command Standard System (CCSS) applications (program). All submissions of Logistics Management Information (LMI)/Provisioning Parts List (PPL) data must be compatible with the Government CCSS Provisioning on Line (POL) system. All digital files are to meet the following criteria:

- (a) American Standard Code for Information Interchange (ASCII)
- (b) No Header Data
- (c) 80 columns in width
- (d) Carriage return code for line end

C.11.1.6 The provisioning data shall contain all data required to support the MMPV:

- (a) The assemblies, subassemblies, spare parts and modules;
- (b) Basic Issue Items (BII)
- (c) Expendable Durable Items List (EDIL)
- (d) Components of the End Item (COEI)
- (e) Long Lead Time Items (LLTI)
- (f) Special Tools and Test Equipment (STTE)

C.11.2 Provisioning Conference. Provisioning Conferences shall be held at the Contractors facility I/A/W SOW paragraph C.7.3. Delivery of less than 800 lines requires Government approval prior to submission. Each incremental submission must include at least one major assembly. All submissions will be labeled initial, changes, deletions or any combination of the three transactions.

C.11.2.2 The Contractor will provide the following to support the provisioning conference effort:

1. Two hard copies of the Provisioning Parts List (PPL) in a format acceptable to TACOM Commodity Command Standard System (CCSS) database (1552 or LSA-036 format).
2. Each line (Part List Item Sequence Number) on the Provisioning Parts List (PPL) will have an accompanying hardcopy EDFP drawing
3. For the PLISNs with National Stock Numbers (NSNs) hard copy Pre-Procurement Screening (PPS) will be submitted
4. An electronic copy of the LSA-036 (via email the morning of the conference)
5. Facilities and office space including copying and data processing access.
6. Internet access

C.11.2.3 The Government, at its discretion, may request that the Contractor provide a Sample Data (5% of submittal which will consist of minimum of 100 lines or more) to AMSTA-LC-CJB not later than 14 days prior to attending Provisioning Conferences. If the sample is determined to not meet the requirements, general guidance comments will be provided, and determination of whether the conference should be cancelled will be made. If the conference is cancelled, the Contractor will have 7 days to fix all errors and resubmit the sample data. At that time, the next conference will be scheduled.

C.11.3 Engineering Data for Provisioning (EDFP) (A009).

C.11.3.1 The Contractor shall prepare the EDFP, i.e. drawings, in LMI Provisioning Line Item Sequence Number (PLISN) sequence for all parts, special tools, BII, COEI, and AAL items identified on the MMPV IAW DI-ALSS-81529, 003 (Provisioning Data)

C.11.3.2 Drawing Information: A separate drawing is required for each PLISN. Drawings are not required for items accompanied by a copy of provisioning screening (e.g. FLIS, WEBFLIS, or by batch submittal part numbers to DLIS) which indicates this item has previously been assigned a valid national stock number. The Contractor shall make available drawings, to include the top assembly drawing, at each provisioning conference for Government review. After the Government approves each drawing as being suitable for NSN assignment, the

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 77 of 169
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Name of Offeror or Contractor:

drawings shall be submitted on a Compact Disk-Read Only Memory (CD-ROM) in Adobe Acrobat .PDF file format, as a STEP (CAD file), or some other software product format that the Government agrees to, with each PPL submittal. All drawings (hardcopy and electronic) shall contain the following information:

C.11.3.2.1 Commercial and Government Entity Codes (CAGEC).

C.11.3.2.2 Part Number.

C.11.3.2.3 PLISN.

C.11.3.2.4 Provisioning Contract Control Number.

C.11.3.2.5 Nomenclature. A brief description to include sizes, grade, surface finish, and coatings for common hardware shall be available in LMI data.

C.11.4 Provisioning Parts Screening (PPS) [CDRL A008]

C.11.4.1 Contractor shall conduct provisioning screening of each item on the PPL using the Federal Logistics Information System (FLIS) for standardization or NSN assignment IAW CDRL A008. Provisioning screening results will be used to select valid part numbers, NSNs, and current unit of measure/issue prices for provisioning purposes. Common hardware item (nuts, bolts, screws, washers, lock washers, rivets, etc\ '85) will be screened by technical characteristics. The screening results must be available to review at each provisioning conference.

C.11.4.2 FLIS. For additional information on requesting software and passwords, refer to the Provisioning Screening User Guide at www.dlis.dla.mil.

C.11.4.3 WEBFLIS. For additional information on WEBFLIS, go to www.dlis.dla.mil/webflis. There are two versions of WEBFLIS: Public Query and Restricted/Sign-on. Anyone with access to the Internet may access the Public Query version. The Restricted/Sign-on version requires a valid user ID/password to access the system. User IDs may be obtained by filling out a registration form. The registration forms are found on the DLIS web site. After accessing the Home Page, go into the Forms and Publications section and select the registration form for WEBFLIS. There are two forms available - one for Government workers and one for Government sponsored Contractors.

C.11.4.4 Batch submittals to DLIS. For additional information on how to submit batch requests to DLIS, refer to the Provisioning Screening User Guide at www.dlis.dla.mil.

C.11.4.5 PPS will be made available to Government representatives at each provisioning conference, and will be upgraded along with the Provisioning Parts List (PPL). The data shall be capable of being loaded into the Provisioning Master Record (PMR) without any modification to data. No errors are allowed. All submissions will be labeled Initial, Revised, or Final submissions.

C.11.5 Long Lead Time Items (LLTI) [CDRL A011]. The Contractor shall delivery the Long Lead Time Item (LLTI) List which contain items, that because of their complexity of design, complicated manufacturing processes, or limited production capacities, may cause extended production or procurement cycles beyond three months, resulting in untimely and inadequate delivery, if not ordered in advance of normal provisioning.

C.12 EXPENDABLE AND DURABLE ITEMS LIST (EDIL) [CDRL A012]

C.12.1 The Contractor shall delivery an EDIL I/A/W CDRL A012 which defines the expendable/durable supplies and materials required for operating and maintaining the End Item.

C.12.2 The minimum requirements for each submittal are the following: Item Number, Maintenance Level, National Stock Number, Description, Commercial and Government Entity (CAGE), Part Number, and Unit of Issue (UI). Final submittal of the Expendable and Durable Items List (EDIL) shall be in the format as depicted in MIL-STD-40051-2 and included in the applicable section of the final submission of the Department of Army (DA) Technical Manual (TM).

C.13 SPECIAL TOOLS AND TEST EQUIPMENT LIST (STTEL) [CDRL A013]/
TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) [CDRL A014]

C.13.1 Support Equipment Tools and Test Equipment (STTE). The Contractor shall deliver a list of Support Equipment Tools and Test Equipment IAW DI-ILSS-80868. The list shall be in tabular form and shall identify special tools and test equipment not contained in U.S. Army Supply Catalogs. Supply Catalogs contain common tool sets and are listed at US Army LOGSA web site at <https://weblog.logsa.army.mil/sko/index.cfm>. Maximum use of common tools, support equipment, and TMDE normally organic to the user is preferred. The list shall provide Nomenclature, Cage Code, National Stock Number (NSN), if assigned, Part Number, level of maintenance, and price of each item on the list.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 78 of 169
Name of Offeror or Contractor:		

Note: New TMDE items, those not identified in U.S. Army Supply Catalogs may require special source and calibration documentation in order to update/ provide data for possible inclusion to the TMDE register (DA Pam 700-21-1). The Contractor shall provide all required data for all new TMDE.

Note: The following paragraphs are included in this pamphlet to clarify special tools for Army use. Special tools are not identified as components in a SKO SC. Special tools are--

- a. Fabricated tools that are made from stocked items of bulk material, such as metal bars, sheets, rods, rope, lengths of chain, hasps, fasteners, and so forth. Fabricated tools are drawing number controlled and documented by functional group codes in RPSTLs and located in TMs as appendices. Fabricated tools are used on a single end item.
- b. Tools that are supplied for military applications only (that is, a cannon tube artillery bore brush, BII) or tools having great military use but having little commercial application.
- c. Tools designed to perform a specific task for use on a specific end item or on a specific component of an end item and not available in the common tool load that supports that end item/unit (for example, a spanner wrench used on a specific Ford engine model and on no other engine in the Army inventory).

The Contractor shall deliver a priced STTE List (A013). The list shall provide individual prices for each item on the list. It shall include those peculiar support items that are required to support and maintain the MMPV throughout its life cycle.

C.13.2 Electronic diagnostic testability analysis. The contractor shall perform a testability analysis of the MMPV diagnostic capability, to include number and types of diagnostic tests available for all MMPV components, assemblies, systems, sub-systems and deliver a testability analysis. The report shall specify number and types of required Test, Measurement, and Diagnostic Equipment (TMDE), as well as a brief narrative description of the benefits to be derived from each diagnostic test. The report shall include a description of any on-board electronic diagnostic systems that may be interrogated for the purpose of maintenance and troubleshooting via an on-board diagnostic display screen. The report shall also include a complete listing of the diagnostic error codes utilized in the troubleshooting of the system. The contractor shall maximize the use of embedded Built-in Test (BIT) / Built-in Test Equipment (BITE) diagnostic capabilities, and fully document and support embedded system software. Software shall not contain proprietary restrictions or run-time fees. Any on-board data buses and diagnostic connectors shall also be identified in detail.

C.14 TECHNICAL PUBLICATIONS [CDRL A015]; Attachments 004, 005, and 006.

C.14.1 Technical Publications

C.14.1.1 The Contractor shall deliver one set of DA Authenticated Operators and Maintenance Technical Manuals (TMs) for the MMPV in accordance with Publications Requirements, Attachment 004, and Publications Requirements, Department of the Army Repair Parts and Special Tools List (DA RPSTL), Attachment 005, TM Requirements Matrix, Attachment 011 and the CDRL A015.

C.14.1.2.1 The Contractor shall prepare DA TMs and DA RPSTLs to support the MMPV. The Contractor shall deliver the TMs for the MMPV in accordance with MIL-STD-40051-2 (Electronic Technical Manual (ETM)) (Dated 15 Oct 2004), Subject DoD Standard Practice-Preparation of Digital Technical Information for Page-Based TMs, Attachment 004, Publications Requirements and Attachment 005, Publications Requirements, Department of the Army Repair Parts and Special Tools List (DA RPSTL), the related Contract Data Requirements Lists (CDRL) A015, and A018. The Contractor is responsible for incorporating National Stock Numbers (NSN) and NSN Cross-Reference Lists into the RPSTL. NSNs are not required for the DEP submittal.

C.14.1.2.2 The Contractor will ensure that the MMPV systems are referenced in the MMPV System manual by serial number break-out. Tasks that vary between the MMPV Configurations shall have the serial numbers referenced for tasks unique to each vehicle.

C.14.1.2.3 The Contractor shall develop the manuals as follows:

MMPV System

- TM 9-xxxx-xxx-10 -- Operators Manual
- TM 9-xxxx-xxx-23 -- Field Maintenance Manual
- TM 9-xxxx-xxx-23P -- Field Repair Parts and Special Tools List

C.14.1.2.4 The TMs shall be divided into volumes if the page counts exceed 1500 pages (750 sheets.) An example of the TM Volume Designation would be TM 9-xxxx-xxx-10-1.

C.14.1.3 The Contractor shall prepare and deliver the following:

- C.14.1.3.1 DA TM Operators and Maintenance Manuals IAW MIL-STD-40051-2, 004 (Publication requirements), and related CDRL A015.
- C.14.1.3.2 DA RPSTL IAW MIL-STD-40051-2, Attachment 005 (RPSTL Requirements) and related CDRLs. The Contractor is responsible for including NSNs into the RPSTL once NSNs are available.
- C.14.1.4 The Government requires the following instructions: Inspect, Test, Service, Adjust, Align, Calibrate, Remove/Install, Replace,

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 79 of 169
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Name of Offeror or Contractor:

and Repair which includes Fault Isolation/Troubleshooting, Removal/Installation, Disassembly/Assembly procedures, and Maintenance Actions to identify problems and restore serviceability to an item on all components and parts including the listing of items found in Attachment 005 (Publication Requirements).

C.14.2 Contractor Validation Government Verification

C.14.2.1 The Contractor shall perform a 100% validation on all supplemental data to ensure accuracy, compatibility and completeness. The Contractor shall insure that the data accurately reflects and supports only the MMPV configuration procured including any and all changes to the configuration resulting from testing, vendor parts supply and production line changes. The Contractor shall notify the Government of planned validation schedule, start date, time, and location of validation 30 days prior to start of Government validation; this will allow the Government time to attend and observe the contractors processes.

C.14.2.2 The Contractor shall support and provide one production configuration vehicle and its attachments for Contractor validation and Government verification (if conducted separately from the Contractor's validation). One of the first five vehicles produced by the contractor shall be used for contractor validation and Government verification. The MMPV used for contractor verification and Government validation can be submitted for acceptance for future deliveries, and must be refurbished to fully comply with approved production configurations.

C.14.2.3 The Contractor shall support In Process Reviews (IPR) by providing samples of work accomplished to date or other requested data and identify improvements to your manuals, data, or Quality Assurance (QA) process required as a result of IPR comments. The Government reserves the right to witness Contractor validation.

C.14.2.4 The Contractor shall furnish unrestricted copyright releases for all commercial manuals and supplemental data. The Contractor shall ensure that the Government has the right to use and distribute the ETMs and electronic data files delivered under this contract.

C.14.2.5 The Contractor shall correct all errors found in all publication deliverables resulting from Contractor and Government Reviews, validation, and verification at no additional cost to the Government. AMSTA-LC-CJB is designated as the Government logistics documentation acceptance activity. If the Contractor receives Provisioning, Publications, RPSTL, etc. comments or corrections from Government activities other than the Government logistics documentation acceptance activity, the Contractor shall forward these comments and corrections to the Government acceptance activity for approval or rejection.

C.14.2.6 The Government will review the Draft manuals to determine if the manuals are complete enough to go to verification (if conducted separately from the Contractor's validation) or be returned for corrections. If the Draft manuals pass this review the Government will perform its verification of the manuals. The Government retains the right to conduct its verification by witnessing the Contractor's validation.

C.14.2.7 The Contractor is required to validate the accuracy and usability of all publication deliverables. The Contractor shall have and use documented QA Review Processes and Inspections. The Government may, at its discretion, review validation records and witness validation processes. The Government may, at its discretion, verify all publication deliverables by conducting a Government Verification held at a location of the Governments choosing. Government reviews and verification may be done through statistical sampling and a mix of desktop, on-system review, and actual performance; but could include actual performance of all procedures and review of all tasks, if deemed necessary by the Government. The Government does not intend to review and verify every task at every review, but relies on complete, careful editing and review by the Contractor. If there are indications that the Contractor has performed incomplete or inadequate QA Reviews, the Government may elect to return products for rework and perform additional reviews on reworked product.

C.14.3 Approved Equipment Changes

C.14.3.1 The Contractor shall incorporate into each Repair Part Special Tools List (RPSTL) coverage for all Government approved changes made to the equipment, up to delivery of the final equipment under this contract.

C.14.3.2 Information based on Engineering Change Proposals (ECP) or equivalents approved for the convenience of the Contractor shall be incorporated into Repair Parts Special Tools List (RPSTL) by the Contractor at no additional cost to the Government.

C.14.4 Technical Publication Packaging

The technical publications (TMs and TBs) (see CDRL A015) shall be preserved in accordance with MIL-STD-2073, method 31 or 33, and shipped with each MMPV. It is understood between the parties that when the final Technical Manual (TM) and Maintenance Allocation Chart (MAC) are approved the Government will print a set of manuals for each MMPV. The Contractor is responsible for packaging the manuals in accordance with the contract and over packing one set of the approved manuals with each MMPV. The MMPV shall not be shipped without the approved manuals.

C.14.5 National Maintenance Work Requirement (NMWR)

C.14.5.1 National Maintenance Work Requirement (NMWR) Components Candidate Analysis [CDRL A020].

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 80 of 169
Name of Offeror or Contractor:		

C.14.5.1.1 The Government's preliminary NMWR component candidate list consists of repairable assemblies such as:

- Engine
- Transmission
- Axles
- Transfer
- Electronic Control Modules/Units

The contractor shall expand on this list based on his proposed vehicle.

C.14.5.1.2 NMWR Candidate List. The Contractor shall deliver a NMWR candidate list consisting of all parts coded for repair at the Sustainment (General Support (GS) Level of Maintenance and above. The source data for this list will be the Maintenance Analysis, performed per paragraph C.9.1. The Government will review, make changes as necessary and provide the approved NMWR candidate list to the Contractor.

C.14.5.1.3 Remanufactured NMWR Component Candidates. The Contractor shall indicate for each NMWR candidate whether the item is currently available as a remanufactured, rebuilt or otherwise refurbished component, as part of their response to the NMWR candidate listing. The Contractor shall provide the following information:

C.14.5.1.3.1 If directly available from Contractor through same supply and distribution channels as all other parts/components.

C.14.5.1.3.2 Standard to which the remanufactured, rebuilt or otherwise refurbished:

C.14.5.1.3.2.1 Like-new condition, using only new components.

C.14.5.1.3.2.2 Using nonstandard (oversize/undersize) bearings or other components which may vary from the original component configuration.

C.14.5.1.3.3 Warranty, if different from new component

C.14.5.1.3.4 Method used to distinguish between new vs. rebuilt/remanufactured component, such as part number difference, etc.

C.14.5.1.4 NMWR Data Summary. The Contractor shall perform a data summary for components on the Government approved NMWR candidate list. The summary may be in the Contractors format, and shall be documented IAW 007 (NMWR Candidate List).

C.14.5.1.5 NMWR Final List. The Government will use the data summary to compare the cost to buy new vs. the cost to rebuild, establish inventory levels, and determine how often this item will need to be repaired. The Government will review this data and finalize the NMWR Candidate listing to identify which items are to have NMWRs developed.

C.14.5.2 NMWRs [CDRL A021]

C.14.5.2.1 The Contractor shall provide inspection procedures, overhaul inspection procedures, mandatory replacement parts list, and any refurbishing instructions for all items on the final NMWR Candidate List. The Contractor shall provide a list of maintenance procedures either published in an Army TM or new maintenance procedures not yet published. The maintenance procedures will also include information on replacing or upgrading testing/diagnostic sensors, final testing procedures and packing and preservation procedures.

C.14.5.2.2 The Contractor shall provide the technical rebuild standards, inspections, machining standards, and testing procedures that are required to write NMWR manual(s) from this analysis. Pre-shop analysis for sub-components, if required, shall also be developed.

C.14.5.2.3 Data developed from the analysis of each NMWR component candidate shall be used as source data for each NMWR. The Contractor shall provide a NMWR for each component on the final candidate list IAW MIL-STD-40051-2, Attachment 004 (Publication Requirements).

C.14.5.2.4 National Maintenance Point rebuild standards shall be numbered IAW AMC Supplement 1 to AR 25-30, dated 15 July 1993, Subject: The Army Integrated Publishing and Printing Program, paragraph 2-77i(1). NMWRs will use the N prefix in lieu of the D prefix for Depot Maintenance Work Requirements.

C.14.5.2.5 The Government reserves the right to combine all selected components into one NMWR for this vehicle series.

C.14.6 Logistics Demonstration (LD)

C.14.6.1 The Government is planning to hold a Log Demo for the MMPV. The Government Log Demo will be held prior to the Government Verification. The scheduled start of the Log Demo is dependent on the acceptance of the Contractors Draft Equipment Publication (DEP) submittal. The Government Log Demo and Government Verification are separate events. At the Log Demo, the Government will utilize the Technical Manuals delivered in accordance with C14.1. The Contractor is required to support the Governments Log Demo by performing the

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 81 of 169
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Name of Offeror or Contractor:

tasks defined in C.14.6.2-C.14.6.5. The Log Demo will occur at the contractors facility.

C.14.6.2 The Contractor shall receive a Log Demo Plan including schedule, start date, and time of Log Demo 30 days prior to start of the Log Demo. The Log Demo Plan will outline the tests, fault insertions, and demonstrations that will take place. This will allow time for the Contractor to prepare all support materials required. The Demonstration tasks identified by CASCOT and TACOM will be reviewed and verified to determine the adequacy of:

- MAC Maintenance Levels, functions and time standards.
- Publications for clarity and completeness of instructions, accessibility, interchangeability, safety.
- Common and special tools, and tool sets required.
- Common and special test, measurement and diagnostic equipment required.
- RPSTL
- Maintainability of end item components

C.14.6.3 The Contractor shall support the MMPV configuration and it's attachments for Government Log Demo; support consists of providing any unique repair parts and mandatory replacement parts subject to damage or destruction during the course of the Log Demo as well as any unique support items (such as oil and transmission fluid), EDIL, and services to manage, support, operate and maintain the MMPV during the demonstration including replenishment of unique repair parts consumed during the demonstration. These repair parts will be made available 10 days prior to the beginning of the demonstration.

C.14.6.4 The Contractor shall provide technical representatives who are fully qualified to answer questions for the duration of the Log Demo.

C.14.6.5 The Contractor shall document all recommended changes to the Technical Manuals resulting from the demonstration. These changes are to be presented to the Publications Manager at the start of the Government Verification for approval and concurrence prior to being incorporated into the Technical Manuals.

C.14.7 Asset For Logistics Development And Asset Refurbishment.

C.14.7.1 System for Logistics Development: The Government will conditionally accept an MMPV System as a System for Logistics Development to support the development of the logistics data as identified in paragraph C.14.2.2. The contractor shall transport the system for Log Development, and is responsible for the cost of shipment. The Contractor shall use this system to validate its data. After the logistic development, the Contractor will return the system to its original production configuration, ready to be delivered to the Government for Log Demo and Verification. The location of Log Demo and Verification will be held at the contractors facility.

C.14.7.2 The contractor shall refurbish the MMPV to its original production configuration after the completion of the Log Demo and Government Verification (both TM and Packaging). The Government will pay for refurbishment costs for the System for Logistics Development (only) which are determined fair and reasonable. The contractor will submit a proposal for refurbishing the logistics demonstration vehicle not later than 15 days after completion of the Logistics Demonstration and Government Verification. The MMPV shall be repackaged and ready for shipment to Government designated location(s) within 90 days of the completion of Verification.

C.15 MANPOWER AND PERSONNEL INTEGRATION (MANPRINT).

C.15.1 MANPRINT is a comprehensive management and technical program that focuses attention on human capabilities and limitations throughout the system life cycle. MANPRINT's goal is to optimize total system performance at acceptable cost and within human constraints. The MANPRINT program shall include aspects of all seven domains (Manpower, Personnel, Training, Human Factors Engineering, System Safety, Health Hazards, and Soldier Survivability). The Contractor shall participate in the MANPRINT IPT meetings and identify MANPRINT issues and recommend resolutions as appropriate. The Contractor will utilize AR 602-2 as a guide for the MANPRINT program.

C.15.2 Manpower, Personnel, and Training (MPT): The Contractor will ensure that soldier-related manpower and training costs are minimized while retaining maximum combat effectiveness through system design and the optimum use MPT resources. All designs and modifications shall be analyzed to ensure maximum use of available MPT resources within the appointed unit. The Contractor shall identify MPT shortfalls or issues and implement appropriate resolutions.

C.15.3 Human Factors Engineering (HFE). Human Engineering principals and design standards shall be applied in the vehicle design, systems integration and human-machine interfaces. The Contractor shall ensure that the vehicles operation, maintenance & repair activities and procedures shall accommodate a wide range of individual physical capabilities from the 5th percentile female to the 95th percentile male. The Contractor shall identify HFE shortfalls or issues and implement appropriate resolutions. The Contractor shall utilize MIL-STD-1472F as a guide for managing HFE.

C.15.4. Soldier Survivability (SSv). Soldier Survivability is the integration of the survivability of the individual soldier and how the system affects the soldiers survivability. The contractor shall establish a SSv program to evaluate the systems ability to reduce fratricide; reduce detectability, reduce the probability of being attacked; prevent damage; minimize injury, and reduce mental and physical fatigue.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 82 of 169
Name of Offeror or Contractor:		

C.16 SAFETY ENGINEERING AND HEALTH HAZARDS [CDRL A022]

C.16.1 Safety Engineering Principles. The Contractor shall follow good safety engineering practices during the design and/or modification of the vehicle and its components. System design and operational procedures shall be developed with at least the following considerations:

C.16.1.1 Identify hazards associated with the system by conducting safety analyses and hazard evaluations. Analyses shall include operational, maintenance, and transport aspects of the equipment along with potential interfaces with subsystems.

C.16.1.2 Eliminate or reduce significant hazards by appropriate design or material selection. If hazards to personnel cannot be avoided or eliminated, steps shall be taken to control or minimize those hazards.

C.16.1.3 Locate equipment components and controls so that access to them by personnel during operation, maintenance or adjustments shall not require exposure to hazards. All moving parts, mechanical power transmission devices, exhaust system components, pneumatic components and hydraulic components which are of such a nature or so located as to be a hazard to operating or maintenance personnel shall either be enclosed or guarded. Protective devices shall not impair operational functions. Examples of hazards to be considered include, but are not limited to: high temperature, chemical burns, electrical shock, cutting edges, sharp points, and toxic fumes above established threshold limit values.

C.16.1.4 The contractor shall include suitable warning and caution notes where required in instructions for operation, maintenance, assembly, and repairs and that distinct markings are placed on hazardous components of the equipment.

C.16.2 Safety Assessment Report (SAR). As a result of system safety analyses, hazard evaluations, and any independent testing, the Contractor shall perform and document a safety and health hazard assessment. The safety and health hazard assessment shall identify all safety and health features of the hardware, software, system design, and inherent hazards and shall establish special procedures and/or precautions to be observed by Government test agencies and system users. The Contractor shall prepare the Safety Assessment Report (SAR) in accordance with DI-SAFT-80102B and CDRL A022. The Contractor shall identify safety and health hazards associated with the system and incorporate them into the SAR.

C.16.2.1 In the hazard list portion of the SAR, the Contractor shall provide a description of each potential or actual safety and health hazard of the vehicle, the effects of the hazard, and when the hazard may be expected to occur under usual and unusual operating or maintenance conditions. The Contractor shall identify actions taken to mitigate the risk associated with the hazards and categorize the risk before and after mitigation in accordance with MIL-STD-882D. MIL-STD-882C provides further information that may be used for guidance. Risks must be identified by hazard severity, hazard probability, and risk level. Mitigation actions include recommended engineering controls, safety features or devices, warning devices, and procedures and training. Examples of hazards to be identified in the SAR including sharp edges/moving parts hazards, physical hazards (e.g. heat or cold stress, acoustical energy, ionizing and non-ionizing radiation, etc.), chemical hazards (e.g. flammables, corrosives, carcinogens, etc.), toxic fumes (exhaust emissions), electrical hazards, noise, whole-body vibration, compliance issues with regulatory organizations, fire prevention issues, and ergonomic hazards.

C.16.2.2 The Contractor shall include in the SAR, copies of Material Safety Data Sheets (MSDS) for all hazardous materials incorporated into the system. The final SAR is subject to TACOM approval. The Contractor shall update the SAR upon modification or procedural change of the system.

C.16.2.3 Radioactive Materials. If no radioactive materials are utilized in the system, this shall be so stated in the SAR. If radioactive materials must be utilized in the system, the following analysis must be performed as part of a request for Government approval: establish these materials as the only means of meeting military operational requirements; provide sufficient data to permit the Government to secure a license for the radioactive material; and describe design and procedures required to minimize hazards to personnel during manufacture, use, transportation, and disposal. The Contractor shall specify the following information and procedural controls for each item containing radioactive material: marking of the item(s); ultimate disposal method; NSN and part nomenclature of each radioactive item; NSN of all end articles containing the radioactive item; total number of radioactive items per end article; the total number of radioactive items to be procured (including spares); and, a Material Safety Data Sheet.

C.17 HAZARDOUS MATERIALS MANAGEMENT [CDRL A023]

C.17.1 Asbestos, radioactive materials, hexavalent chromium (electroplating and coatings), cadmium (electroplating), or other highly toxic or carcinogenic materials (as defined in 29 CFR 1910.1200) shall not be used in the manufacture or assembly of the MMPV without prior approval from the Government. Class I and Class II Ozone Depleting Substances shall not be used. These requirements shall apply to any components/parts purchased through a subcontractor/vendor.

C.17.2 The Contractor shall prepare a Hazardous Material Management Report which, at a minimum, shall identify all hazardous materials required for system production, and sustainment, including the parts/process that requires them. This report should be prepared in

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page 83 of 169</p>
--	--	--

Name of Offeror or Contractor:

accordance with National Aerospace Standard 411, section 4.4.1 per DI-MGMT-81397, [CDRL A023]

C.18 TRAINING [CDRLS A024, A025, A026]

C.18.1 Training Support Package: The Contractor shall provide a critical tasks list, program of instruction (POI), lesson plans, instructor guide, student guide and training schedules for each level of training. The training material and support package shall be developed in accordance with TRADOC Reg 350-70. The Government will review, recommend changes, and serve as the final approving authority for the above documents. The Contractor shall notify the Government thirty (30) days in advance of its intended validation of the critical tasks so that the Government can make timely arrangements to attend the validation process. The Government may decide not to attend all validation processes, but, instead, may rely on complete and accurate critical task development by the Contractor. Critical tasks that are found to have deficiencies will be adjusted / corrected, at no additional cost to the Government. Training tasks shall also be corrected or updated, at no additional cost to the Government, after completion of Instructor and Key Personnel Training (I&KPT) class. A024

C.18.2 Log Demo & Verification Training

C.18.2.1 An additional Operator and Field Maintenance course will be provided at a to be determined location for Government Test Personnel and Data Collectors. The Contractor shall provide all unique tools and parts required to support the training. Training shall begin within five days of vehicle arrival at the designated CONUS training site. The Government will provide vehicles for the training.

C.18.3 Instructor And Key Personnel Training (I&KPT). The Government shall have the option to order training classes as described below.

C.18.3.1 The Contractor shall conduct an Instructor and Key Personnel Training session at Fort Leonard Wood, Missouri to include one operator class and one field level maintenance class to U.S. military trainers from the US Army Engineer School, US Army Ordnance School, Combined Arms Support Command (CASCOM), and Counter Explosive Hazard Center (CEHC), as well as other key Government personnel. The Contractor shall provide a complete training support package to each student. Students shall retain possession of the course technical manuals and training materials (CDRL A024). Each operators course shall be 5 days in length, 40 hours, and each field maintainers course shall be 10 days in length, 80 hours. The operators class size will not exceed 12 students. The maintenance class size will not exceed 8 students. The Contractor shall provide all unique tools and parts required to support the training. Training shall begin within five days of vehicle arrival at the designated CONUS training site. The Government will provide vehicles for the training.

C.18.3.3 I&KPT Training Location and Training Classes: The Contractor shall conduct the following I&KPT classes at Ft. Leonard Wood, MO and also at a Test location TBD:

- a. One (1) Operator class
- b. One (1) Field Maintainer class

C.18.4 New Equipment Training (NET).

C.18.4.1 The Contractor shall conduct Operator and Maintenance-training sessions to U.S. Forces receiving and maintaining the Medium Mine Protective Vehicle systems in the Continental United States (CONUS), and at the Governments option, to U.S. forces and/or Contractor logistics support personnel deployed OCONUS (including Southwest Asia e.g., Iraq, Afghanistan, Kuwait) receiving and maintaining the Medium Mine Protected Vehicle systems.

C.18.4.2 Classroom size shall be 12 students for operator courses and 8 students for maintenance courses. These training sessions shall include train-the-trainer level training. Training shall begin within five days of vehicle arrival at the designated CONUS/OCONUS training site. The Government will provide vehicles for the training.

C.18.4.3 All NET instruction designed and developed by the Contractor shall be in accordance with TRADOC Regulation 350-70, and common standards and specifications used for NET. The Contractor shall work closely with the TACOM NET Manager in developing the NET packages to insure compliance with the NET objectives.

C.18.4.4 The Contractor shall provide all training aids, consumables, and required items for conducting NET training. The Contractor shall provide a complete Training Support Package (TSP) to each fielded unit. The Training support package will include one copy of the POI, Lesson Plan, Instructor Guide, Student Guide, and media used to conduct training. Students shall retain possession of the course technical manuals and training materials.

C.18.4.5 Class Sizes and Class Lengths:

1. All classes shall not exceed twelve (12) students for Operators and eight (8) students for Maintenance.
2. Operator class shall not exceed forty (40) hours in duration

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 84 of 169
---------------------------	--	-----------------------

Name of Offeror or Contractor:

3. Field Maintainer class shall not exceed eighty (80) hours in duration

C.18.4.6 Estimated number of NET classes. The Contractor shall conduct NET in CONUS/OCONUS in accordance with the estimates below:

First Ordering Year: (Planned One Fielding)

1. Operator classes, quantity 2.

2. Field Maintainer classes, quantity 1.

Second Ordering Year: (Planned Three Fieldings)

1. Operator classes, estimated quantity 6.

2. Field Maintainer classes, estimated quantity 3.

Third Ordering Year: (Planned Three Fieldings)

1. Operator classes, estimated quantity 6.

2. Field Maintainer classes, estimated quantity 3.

Fourth Ordering Year: (TBD Fieldings)

1. Operator classes, estimated quantity (minimum 3, maximum 16)

2. Field Maintainer classes, estimated quantity (minimum 3, maximum 16).

Fifth Ordering Year: (TBD Fieldings)

1. Operator classes, estimated quantity (minimum 3, maximum 16)

2. Field Maintainer classes, estimated quantity (minimum 3, maximum 16).

First Option Ordering Period: (TBD Fieldings)

1. Operator classes, estimated quantity (minimum 1, maximum 13)

2. Field Maintainer classes, estimated quantity (minimum 1, maximum 13).

Second Option Ordering Period: (TBD Fieldings)

1. Operator classes, estimated quantity (minimum 1, maximum 13)

2. Field Maintainer classes, estimated quantity (minimum 1, maximum 13).

Third Option Ordering Period: (TBD Fieldings)

1. Operator classes, estimated quantity (minimum 1, maximum 13)

2. Field Maintainer classes, estimated quantity (minimum 1, maximum 13).

Costs for the NET training classes will be as set forth in Section B.

C.18.5 Letter Of Support Requirements: The Contractor shall prepare a Letter of Support Requirements (in Contractor format) that depicts the materials and items needed on hand to support training at any given training location. The letter shall define training support requirements for Operator and Field Maintainer NET. [CDRL A025]

C.18.6 Instructors. All classes cited above shall be supported by two (2) certified MMPV instructors with one Original Equipment Manufacturer (OEM) Field Service Representative (FSR) on-call as needed. Instructors shall be U.S. Government certified, or have a teaching degree from a public/private training institution, or be certified by the OEM. Certification documentation shall be provided to the TACOM NET manager. At the Governments option, an FSR shall provide supplemental sustainment training to new military personnel who need to operate and maintain the system after the initial NET is complete.

C.18.7 Class Schedules: All training schedules shall be coordinated with the Contractor, the TACOM NET manager and each gaining command Training POC.

C.18.8 Training Certificates: The Contractor shall provide a training certificate for Operator and Maintainer training to each student that attends and successfully completes training. The training certificate shall be in the Contractors format. Both Operator and Maintainer classes shall have a written test administered at the end of the course. A score of 70% or above on the test shall be required for successful course completion and issuance of a training certificate. [CDRL A026]

C.18.9 Training Support: The Government will provide at least one (1) vehicle to support each NET class cited above. The Government

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 85 of 169
Name of Offeror or Contractor:		

will also provide the required common tools for support.

C.18.10 Travel Costs For Training. Travel costs for Training will be as stated in Section B.

C.19 MILITARY PACKAGING DOCUMENTATION REQUIREMENTS: [CDRLs A028, A029, A032].

C.19.1. Contractor shall develop Equipment Preservation Data Sheets (EPDS) for the MMPV. Contractor shall include requirements for long term outside storage for up to 2 years in adverse environments, long term controlled humidity (50%RH) storage aboard ships for 30 months at sea, short term administrative outside storage of 90 days, and disassembly procedures to meet clearance requirements for land, air, and sea shipments. Controlled humidity and administrative storage procedures shall ensure drive-on/drive-off capability. Packaging requirements for BII and COEI shall be developed by the contractor. BII shall be packed separate from COEI. HAZMAT COEI will be packaged and shipped separately from the system in accordance with CFR Title 49. The contractor shall designate stowage locations and securing provisions. The contractor shall ensure the stowage locations shall deter pilferage and shall not interfere with lifting, tie down or other transportation handling. The Contractor shall submit EPDS electronically to the Government with the capability to view, identify, make corrections, add comments and insert approval IAW CDRL A028.

C.19.1.1 Updates and Changes to Equipment Preservation Data Sheets: The contractor shall revise the Equipment Preservation Data Sheets to reflect design changes that affect the system's shipment configuration, weight, or transportability. The contractor shall also provide revisions to the Equipment Preservation Data Sheets for each logistics change affecting packaging instructions for BII or COEI.

C.19.1.2. The Government will determine if all or selected portions of the Equipment Preservation Data procedures shall be validated to verify the adequacy of the vehicle preservation procedures and exercising requirements. Primary considerations will be given to the complexity and/or uniqueness of the process and/or materials involved. Government representative will attend and witness Contractors procedures.

C.19.2 Compliance with Federal and Industry Transportation Requirements: The Government ships using truck, rail, plane, and ship. The contractor shall develop Equipment Preservation Data Sheets for these modes of transportation and identify unique requirements for each mode of transport. This will allow the Government to process for shipment based on the intended mode of transport. The contractor shall comply with the applicable codes and standards listed here: (1) Code of Federal Regulation Titles 29, 40 and 49, (2) International Maritime Dangerous Goods Code, for vessel transport, (3) AFMAN 24-204, Preparing Hazardous Materials for Military Air Shipments, and (4) International Air Transportation Association (IATA) Dangerous Goods Regulations . The contractor shall include disassembly procedures to meet the requirements of the codes and standards mentioned above.

C.19.3 Component Parts Packaging Requirements: Contractor shall develop packaging data for all TACOM managed parts identified during the provisioning process with a SMR code of P excluding PR and PZ to provide for life cycle support and safe distribution of reparable items. Packaging data shall also be developed for Field Level Kits. Packaging shall be developed in accordance with MIL-STD-2073. All items shall be classified as select group (C.19.3.2) or special group (C.19.3.3) items. Any HAZMAT items shall be considered Special Group Items and have packaging designed to meet the requirement of the HAZMAT regulations identified in Paragraph C.19.2. The contractor shall provide LMI Data Products for packaging data systems, entry as specified in MIL-PRF-49506, Attachment 008 (Packaging Data Products) and Attachment 009 (Packaging Data Formatting Instructions). Contractor shall furnish drawings and notes sufficient for Government review concurrent with each packaging data submittal.

C.19.3.1 Excluded Items: Excluded items are those items with packaging data already in the TACOM Packaging File "PACQ", FEDLOG, FLIS, and those assigned a Contractor and Government Entity Code (CAGE) of: 1T416, 21450, 80204, 96906, 10060, 24617, 80205, 99237, 80244, 81343, 81346, 81348, 81349, 81352, 88044 or identified as GFE/GFM. Also EXCLUDED are items for: (1) not mission capable supply, (2) depot operational consumption, and (3) not-for-stock supply.

C.19.3.2 Coded Packaging Data: The Government will provide the contractor with periodic reports showing status of the program. Data is critical to populating the National stock Number Material Data Record (NSNMDR) and the Federal Logistics Information System (FLIS) Government data files and shall be 90% accurate. The contractor will rework submittal errors within 10 days after rejection by the Government. The contractor shall provide the necessary personnel, facilities, equipment, material, and the electronic data interface. The contractor shall include information for each of the items so TACOM can determine the adequacy of the packaging submittal. This includes item drawings and data such as Source, Maintenance & Reliability codes, Unit of Issue codes, Unit of Measure, Measurement Quantity, and copies of applicable Material Safety Data Sheets. The contractor shall furnish item drawings, photo documentation and notes sufficient for reviewing the packaging designs. Information shall be formatted and delivered in accordance with CDRL A029 and Attachment 008 and Attachment 009 (Packaging Data Products and Format).

C.19.3.3 Special Packaging Instructions (SPI): The contractor will prepare SPIs for each reparable item, each hazardous material item, each fragile, sensitive, critical item, shelf life items, electrostatic discharge sensitive items, disassembly procedures, items requiring special handling or condemnation procedures and any item that cannot be adequately packaged/defined as a Select item, following MIL-STD-2073-1D including kits and sets. SPIs shall meet the performance of ASTM D4169, Distribution Cycle 18, Assurance Level I, with Acceptance Criterion 3 (Product is damage free and package is intact). Each SPI submittal shall have a test report, including photographs, attached showing the condition of the package and part before and after the testing. Acceptable photographic evidence shall show the product is undamaged from all angles. SPI shall be in a format that can be viewed, changed, and commented upon.

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page 86 of 169</p>
--	--	--

Name of Offeror or Contractor:

The contractor shall provide read/write access to SPI. All data submitted will be contractor validated and 95% accurate. The contractor will rework submittal errors within 10 days after rejection by the Government. Information shall be formatted and delivered in accordance with CDRL A029.

C.19.3.4 Any Engineering Change Proposal (ECP) to engineering and logistical data impacting packaging and distribution shall be provided by the Contractor. The ECP shall be complete and shall include packaging impact statement and assessments for items requiring special handling, storage or condemnation, HAZMAT, shelf life, and transportability problem items. The Contractor shall provide draft reports of logistics management information and draft packaging documents for provisioned items. The Contractor shall deliver the ECP IAW contract requirements and include associated packaging documents.

C.19.4 Packaging and marking for hazardous material shall be in accordance with MIL-STD-2073-1D Standard Practice for Military Packaging, Appendix J, Table J.Ia Specialized Preservation Code HM and the Joint Service Regulation AFMAN24-204/TM38-250 for Military Air Shipments.

C.19.5 Contractor shall conduct an assessment to determine if existing or new Long Life Reusable Container (LLRC) designs are suitable for reparable items including engine, transmission and transfer case. The contractor shall assess form, fit and function of existing containers. Contractor shall compare costs of modifications to existing designs and alternate new designs. Assessment data shall include analysis justifying the need for a new or modified container. If a new or modified LLRC is required, Contractor shall submit a proposal that includes development cost, validation testing requirements and cost, life cycle cost estimate, Container Design Retrieval System (CDRS) results and cost to develop a Technical Data Package (TDP) to develop new or modify existing LLRC. If a new or modified LLRC is required the Government shall be notified IAW CDRL A032.

C.19.6 Contractor shall conduct an assessment to determine if new or existing commercially available reusable container designs are suitable for any Line Replaceable Units (LRU). The contractor shall assess form, fit, and function. Compare costs to modify existing designs or alternate new designs. The commercially available reusable container must meet the validation testing requirements (Para. C.19.3.3). Contractor shall develop and submit a SPI (Para. C.19.3.3) for each LRU with a commercially available reusable container describing the packaging processes and materials IAW MIL-STD-2073-1D. Delivery of SPI shall be IAW CDRL A029. If a new or modified commercially available reusable container is required, Contractor shall submit a proposal for each commercially available reusable container that includes development cost, validation testing requirements and cost, life cycle cost estimate and cost to develop a Technical Data Package (TDP) to the Government for review and subsequent approval or rejection IAW CDRL A032.

C.20 TEST AND EVALUATION: [CDRL A033].

C.20.1 The Government will conduct testing on up to Seven (7) production MMPVs to verify that the vehicle meets threshold and objective performance requirements in the contract. The contractor shall be responsible for ensuring that the MMPVs are test-ready and delivered within the program schedule. The contractor will inspect each vehicle for contractual compliance and test readiness prior to shipping it to the designated test site.

C.20.2 Shakedown Test. The contractor will conduct a shakedown test by prior to shipping MMPVs to the designated test site. Shakedown Testing will identify failure modes associated with incipient failure. The Government reserves the right to conduct an inspection at the conclusion of the shakedown test prior to shipment to verify test readiness and contract compliance. The contractor shall notify the Government when vehicles are ready to be shipped 14 days prior to the scheduled shipping date.

C.20.3 Limited Technical Vehicle Inspection (LTI). Government and contractor personnel will jointly conduct a limited technical vehicle inspection on the test vehicles upon their receipt at the test site(s) using the Government-approved MMPV Final Inspection Record (FIR). The inspection will ensure production configuration, the condition of each vehicle as received and identify any damage incurred during shipping. The inspection will also confirm test readiness if not done prior to shipping. This inspection may include static and dynamic procedures. The contractor shall be responsible for correcting any missing parts, shortages, damage, and any deficiencies discovered during the inspection (design/configuration, quality or workmanship, etc.). If a part/component is missing or requires replacement, the contractor shall obtain and provide a replacement at the test site within 24 hours of notification. The contractor shall use no more than 8 hours per vehicle to complete the LTI and to prepare the vehicle for test.

C.20.4 System Support. The contractor shall provide a system support package (SSP) and make technical support personnel available throughout performance testing.

C.20.4.1 Test Support Plan [CDRL A033]. System Support Package List (SSPL). The contractor shall prepare and provide a system support package list (SSPL) in the format agreed on by the ILS and Test IPTs. The listing(s) shall detail all system support requirements for each test. The SSPL shall identify the source of supply for each item whether provided by the contractor or government and the supply status of each. If any retest is required, the System Support Package shall be updated and available at the time of retest. The contractor shall also provide a test support plan in accordance with CDRL A033.

C.20.4.2 System support is defined as providing any items, parts, components, and technical service required to return the vehicle to testing within 24 hours of failure. The system support package shall include spare parts, BII, and any unique tools for MMPV that are required to sustain the vehicle during performance testing. The contractor shall deliver the SSP to the government test site no later than (30) days prior to the start of testing. Items not furnished in sufficient quantity shall be provided by the contractor to return

<p align="center">CONTINUATION SHEET</p>	<p align="center">Reference No. of Document Being Continued</p> <p align="center">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p align="right">Page 87 of 169</p>
---	--	--

Name of Offeror or Contractor:

the test item to an operational configuration within 24 hours. The SSP will be inventoried and characterized, by test center personnel, upon arrival at the test center. The test center may, upon request provide security for the SSP. The contractor may not make substitutes to the SSP, or use parts from the SSP without notifying the test center. Damaged parts will not be returned to the SSP. All parts in the SSP must meet applicable specifications. Test site personnel will maintain a record of all parts withdrawn from the SSP. The SSP and SSP List shall consist at a minimum, of the following:

- (1) Spare/Repair Parts. All SSPs shall contain parts to meet the requirements arising from predicted failures, scheduled maintenance, and anticipated wear.
- (2) Common and Special Tools. Required common tools/took kits to address predicted failures, scheduled maintenance, and anticipated wear.
- (3) Basic Issue Items (BII), Component of the End Item (COEI).
- (4) Expendable Supplies. Expendable supplies, including system-unique oils and lubricants. The Government will provide standard petroleum oil and lubricants (POL) for each vehicle undergoing testing.
- (5) Picture ready Technical data/manuals in quantities sufficient to support the vehicles undergoing performance tests
- (6) A listing of all materials, supplies, end items and facilities required from the government to support testing.

C.20.4.3 The contractor shall provide all other tools to support the on-vehicle maintenance that is to be performed by the Government. The contractor shall also provide TMs for all tests that include, as a minimum, all operations and remove/replace maintenance procedures. The contractor shall conduct an analysis on failed items/components and will provide the Government the analysis results.

C.20.4.4 The contractor shall provide capable and knowledgeable personnel to support the system with on-vehicle maintenance, at the test site. The contractor shall provide field service support (FSR) personnel to support testing. The contractor shall advise the government on routine operation, safety, maintenance, calibration, and system support package matters and provide interface with any component part involving the contractor and his suppliers. The FSRs shall be available to provide maintenance, troubleshooting and support the entire maintenance workday (not to exceed 12 hours). Personnel may be required to work during non-duty hours, under the observation of test site personnel, to return the vehicle to an operational condition within 24 hours. All vehicle maintenance and repair will be conducted under the observation of test site personnel FSR personnel will not have unobserved access to the vehicles under test. Any deviations from procedures prescribed in the Technical Manuals will be recorded. Actual maintenance times, times awaiting parts, times awaiting maintenance personnel will be recorded and will be used to compute maintenance ratios.

C.20.5 Government Facilities for storage of SSP items and test support. The Government may provide space (if available) at each test site for storage of system support items, access to maintenance facilities, and may provide office space and facilities (telephone, facsimile, copier, desks, etc.) for contractor personnel supporting MMPV testing. It is incumbent upon the contractor to request this support through the PCO to the test site as soon as requirements are known, but in any case not later than 15 days after the Pre-First Article Test meeting.

C.20.6 Refurbishment of test assets for subsequent fielding. The contractor shall complete a detailed inspection and assessment of test vehicles upon their return to the contractors facility after testing. The contractor shall submit a detailed inspection/assessment report on each vehicle to the Government for review within fifteen (15) working days after arrival of the test vehicles at the contractors facility identifying the repairs or refurbishment necessary to bring the vehicle to a production configuration for subsequent fielding. The Government will review the report within twenty (20) working days and provide direction on which refurbishment tasks to perform. Within thirty (30) days after receipt of Government direction, the contractor shall submit a ceiling price proposal for reconditioning the vehicles to production configuration. The contractor shall complete refurbishment to production configuration within sixty (60) days after government direction to start the work.

C.20.7 Relationship Between Test and Evaluation and Quality Assurance Management. The complete provisions stipulated in paragraph C.21, Quality Assurance Management, Section E, and the ATPD (MMPV), shall apply entirely for all MMPVs delivered for performance testing.

C.21 QUALITY ASSURANCE MANAGEMENT

C.21.1 Quality Management System. The contractor shall implement a quality management system in accordance with the provisions of ISO 9001:2000 or an equivalent quality system as a measurement of product quality for the MMPV systems that are produced, in order to satisfy the contractual quality requirements. The contractors quality management system shall be made available and accessible at anytime for government review and evaluation to assess the contractors quality system compliance, implementation and effectiveness.

C.21.2 Final Inspection Record (FIR). The contractor shall develop a Final Inspection Record (FIR) for the production vehicle systems delivered under this contract. The FIR shall incorporate the contract requirements for technical, quality, purchase description and technical documents that are utilized for the build of the production MMPV systems. The FIR shall also contain a Deficiency Sheet and a Deprocessing Sheet (C.21.22). The contractor shall submit the FIR to the PCO (Procuring Contracting Officer) for review and approval.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 88 of 169
---------------------------	---	-----------------------

Name of Offeror or Contractor:

The contractor shall update the FIR as necessary throughout the production contract period. Each update and/or revision shall require government review and approval. Revisions and updates shall be submitted to the PCO for review and approval. [CDRL A036]

C.21.2.1 Vehicle System Final Inspection. The contractor shall utilize the approved FIR to completely inspect each vehicle system, produced under this contract. The deficiencies detected during inspection shall be described in writing on the FIR Deficiency Sheet and corrected by the contractor prior to offering the vehicles to the Government for acceptance. The completed FIR (marked-up copy) for each vehicle system shall be provided to government representative(s). The contractor shall also ensure that service brakes for each MMPV system are fully burnished and operational in accordance with FMVSS 121, prior to offering vehicle systems to the Government for acceptance.

C.21.3 Form, Fit, and Function Data. When the contractor proposes to make a change, and a the Government subsequently requests it, the contractor shall, within 1 business day, provide form, fit and function data that relates to the MMPV system delivered under this contract. This data shall include all configuration changes, components, processes utilized to build the production and test vehicles, and all examinations and tests.

C.21.4 Certification Requirements. The contractor shall prepare certifications for specific items as identified in the MMPV system purchase description. Certifications shall include all documentation, objective evidence, examinations and test results where applicable. Certification of compliance to specific contract and/or specification requirements shall be in contractor format. Certifications shall be complete and available (and copies provided) to the Government for review at the time of the First Production Vehicle Inspection (FPVI). If any certification is unacceptable to the Government, the contractor shall conduct additional examinations/tests or provide additional documentation as required to validate the unacceptable certification at no increase in contract price. Information on acceptable certifications is identified in E.12 of this contract.

C.21.5. [RESERVED]

C.21.6 CARC paint pretreatment shall be as described in Section E.16 and the purchase description. For surfaces that exceed 400 degrees F, CARC shall not be used; a commercial high heat paint or paint meeting MIL-B-14105 may be used. Adhesion testing shall be performed on a completely cured CARC finish.

C.21.7 First Article Test (FAT). The Government shall conduct a First Article Test (FAT), as specified in the MMPV system purchase description and the contract. This test will verify that the vehicle meets the threshold and proposed objective performance requirements in the contract. The FAT shall include First Production Vehicle Inspection (FPVI) and Production Verification Test (PVT), Logistics Demonstration, and Operational Test. The contractor will conduct and the Government will verify the FPVI, and provide it to the PCO. The contractor shall not ship the Production Verification Test vehicle system to the government test site until acceptance of the FPVI report has been provided, or as directed by the Contracting Officer.

C.21.7.1 First Article Approval of the MMPV system. First Article approval shall be required for this contract, under authority of FAR Clause 52.209-4, Alt I & II, First Article Approval Government Testing (clause E.8). If the First Article is disapproved, the contractor, at the Governments request shall repeat the portion(s) of the failed First Article Test. All costs related to these tests shall be borne by the contractor.

C.21.7.2 Test article and Production Locations. The Contractor shall produce the MMPV production (and test article) systems and conduct the First Production Vehicle Inspection (FPVI) at the same location and facility. Should the contractor change the location and facility for production of MMPV systems and FPVI, a First Article Test shall be required, regardless of any previous FAT completed. Paragraphs C.21.7 (First Article Test) & C.21.7.1 (First Article Approval of MMPV systems) shall equally apply, entirely.

C.21.7.3 Failure to Deliver. If the contractor fails to deliver any First Article unit on time, or if the Contracting Officer disapproves any First Article unit, the contractor shall be deemed to have failed to make delivery within the meaning of the DEFAULT clause of this contract.

C.21.7.4 Test Units. Unless otherwise provided in the contract, and if the approved First Article is not consumed or destroyed in testing, the contractor may deliver the approved First Article after any necessary refurbishment/retrofit as part of the contract quantity, if the refurbished first article meets all contract requirements for acceptance. The Government shall inspect for acceptance.

C.21.7.5 First Article Waiver. Supporting documentation shall accompany all requests for waivers. The Government may waive the requirement for the First Article Test where supplies identical or similar to those called for in the schedule have been previously furnished by the contractor and have been accepted by the Government.

C.21.8 First Production Vehicle Inspection (FPVI) [CDRL A031]. The Contractor will conduct, and the Government will verify, FPVI on the first MMPV system produced to verify that the MMPVs meet characteristic requirements delineated in the contract and purchase description. The contractor shall prepare and submit an FPVI plan based on the aforementioned requirements and the requirements of this paragraph. As part of the FPVI process, the contractor shall make available for Government review, all records of inspection and test, drawings, configuration changes, Qualified Products List (QPL), technical documentation, specifications, certifications (material, process, product, test, etc.), Build Books, Build of Materials (BOM) and purchase orders. This includes all information and documents (contract, purchase description, and technical documents) that contribute to the build of the production MMPV systems.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 89 of 169
Name of Offeror or Contractor:		

C.21.8.1 First Production Vehicle Acceptance. The contractor shall submit an inspection and test report that provides detailed results of the FPVI within 14 days of completion. The PCO will notify the contractor within 10 calendar days after receipt of the report of approval or disapproval of the FPVI Report. If the FPVI Report is disapproved and additional inspections are required, the contractor shall resubmit an inspection and test report within 7 days of receipt of Government comment/review. All costs related to additional FPVI inspections and tests shall be borne by the contractor at no increase in contract price.

C.21.8.2 Manufacturing Standard. At the discretion of the PCO, the contractor may be required to retain the FAT MMPV system(s) as manufacturing standard(s) and may be shipped as part of the contract quantity at a later date. All Government approved configuration changes that occur following the FPVI of FAT shall be made to this (these) vehicle(s) affected by the changes within 60 days of approval. At the discretion of the Government, a newly produced vehicle with the latest configuration of incorporated changes may be selected to represent the manufacturing standard. Accordingly, the previous manufacturing standard may then be shipped as part of the contract quantity.

C.21.9 Test Vehicle System Acceptance. Under no circumstances shall any test vehicle system be accepted by the Government (final DD Form 250), nor shall the contractor be eligible to invoice or claim any payment exceeding the progress payment rate or performance based payment rate, on the basis of the informational DD Form 250 until after (i) successful completion of all testing and (ii) completion by the contractor of all refurbishment, upgrading, and corrections required to bring such vehicles up to serviceable and like new condition. Should test units require refurbishment at the contractor's facility, the contractor shall be responsible for vehicle system shipment at no cost to the Government.

C.21.9.1 Test Vehicle System Failure. Failure of the Production Verification Test (PVT) (clause E.8) vehicle systems as a result of any defect detected shall be cause for rejection of such test vehicle systems and vehicle systems being offered for acceptance, until objective evidence has been provided by the contractor that corrective action has been taken to eliminate the defect. Any defect found during, or as a result of the PVT shall be prima facie evidence that all vehicle systems produced that are represented by the PVT and FPVI are similarly deficient unless contrary objective evidence satisfactory to the Contracting Officer is furnished by the contractor. Such a defect on all affected vehicle systems associated repair parts and in the production process itself shall be corrected by the contractor at no increase in contract price.

C.21.9.2 Vehicle System Retest. In the event of vehicle system test failures, the Government reserves the right to choose to retest the same or another vehicle system upon correction of the defect(s) by the contractor to the complete extent and duration specified in the test program, or to such lesser extent as the Procuring Contracting Officer deems appropriate. If another vehicle system is selected, the contractor shall be responsible for all deficiencies detected regardless of relationship to the original test failure and shall comply with the provisions of C.21.10, C.21.11, and C.21.8.1, above. The contractor shall bear responsibility for delays in the program test period resulting from vehicle defects or failure to adequately furnish parts support (within 24 hours on a scheduled test day) and the Government will have the right to extend the specified program test period accordingly for such contractor induced delay. The extent of any responsibility for contractor induced delay shall be limited to the Governments direct operating costs.

C.21.10 Transportation Costs. The PVT vehicle system shall be shipped to the specified Government test site(s) in accordance with the requirements of this contract. All vehicle shipment charges from the contractors plant to the various sites and their return to the plant for refurbishment shall be the sole responsibility of the contractor.

C.21.11 Test Vehicle System Shipment. Under no circumstances shall any test vehicle system be shipped from the contractors facility to the test site until:

- a. A complete inspection has been performed by Government personnel, representing the ACO and the PCO at the procuring activity;
- b. All deficiencies revealed by the Government inspection have been corrected by the contractor and approved by the Government, as evidenced by an Informational DD Form 250, signed by an authorized Government representative before shipment.

C.21.12 Test Incident Reports (TIRs). During conduct of the PVT, Test Incident Reports (TIRs) will be generated by the Government tester. Each TIR written will be "scored" per the Failure Definition/Scoring Criteria. The contractor shall respond to TIRs as directed below with a Failure Analysis and Corrective Action Report (FACAR) in accordance with DI-RELI-81315. The response shall be submitted in electronic format that is compatible with the Army Test Incident Reporting System (ATIRS). A final FACAR shall be submitted to the Government within the time limits below. Should a final response not be available within the designated time, an interim/preliminary response is required for submittal. Submittal requirements are based on the TIR release date and are expressed in calendar days. [CDRL A034]

Incident Classification	FACAR Submitted Within
Critical	72 hours after contractor notification

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315MOD/AMD	Page 90 of 169
--------------------	--	----------------

Name of Offeror or Contractor:

Major	15 days
Minor	30 days
Information	Submit FACAR if requested by the Government.

Note: The contractor shall be responsible for accessing computer databases for all TIR data during Government testing. The contractor shall coordinate with the U. S. Army TACOM, LCMC, Product Quality Manager for the MMPV system for assistance in accessing the TIR databases for the purpose of TIR retrieval.

C.21.13 Control Test. At the discretion of the PCO, a vehicle may be selected by the Government from the production line and subjected to testing by the contractor (Government witnessed and participation) in accordance with quality conformance and test requirements prescribed in the purchase description, in order to evaluate and assess process control of production vehicles, as a result of quality deficiencies. When exercised by the PCO, the control test(s) shall be performed on selected production unit(s), at anytime either before or after completion of the contractor conducted FIR. The control test(s) shall provide documentation of all test results, deficiencies and root cause corrective actions. The control test(s) shall be conducted at no additional cost to the Government. Paragraphs C.21.10.1 (Test Vehicle System Failure) and C.21.10.2 (Vehicle Retest), shall apply.

C.21.14 Control Test Vehicle Acceptance. When exercised by the PCO, selected vehicle(s) that undergo the control test(s) will NOT be accepted by the Government on a DD 250, nor shall the contractor be eligible for payment until the control test vehicle has successfully passed all testing and FIR (government and contractor conducted). The final DD 250 will be approved AFTER the contractor has made all required root cause corrections to control test vehicle deficiencies and the lot inspections/corrections are completed.

C.21.15 Contractor Test Reporting. The contractor shall prepare and submit a test report at completion of FPVI, in accordance with DI-NDTI-80809B. The report shall define all deficiencies and root cause corrective actions taken. [CDRL A031]

C.21.16 Product Quality Deficiency Reports (PQDR) Field Generated. The contractor shall investigate and provide root cause failure analysis and corrective action for all PQDRs generated against products or supplies produced under this contract at no additional cost to the Government, including replacement of parts or components determined to be deficient or attributable to workmanship/product nonconformance. The contractor shall be responsible for all costs associated with shipping the QDR exhibit(s) to their designated location. Corrective actions requiring configuration changes shall follow the configuration requirements as specified in C.22.

C.21.16.1 PQDR Response Standard. The contractor shall provide a written response within 72 hours (electronically) to all field PQDRs. Product Quality Deficiency Reports that relate to criticality or safety shall require a written response within 24 hours.

C.21.16.2 A final written response in contractor format shall be submitted per DI-RELI-81315 (T) to the designated government representative within 30 calendar days of receipt of a PQDR. If a final response is not ready for submittal, the contractor shall submit an interim response detailing the status of the investigation. The response shall report on the actions taken, root cause, corrective action, and contractor's position with respect to repair or replacement parts [CDRL A037].

C.21.17 Product Quality Deficiency Report (PQDR) Government Furnished Material (GFM). Upon receipt of deficient Government Furnished Material (GFM), the contractor shall prepare and submit a PQDR (SF 368) to the designated government office per DI-QCIC-80736 [CDRL A037].

C.21.18 Quality Records. All records of inspections, examinations, certifications, tests, supplier audits, and purchase orders shall be retained by the contractor for a period of 5 years after contract close-out. These records shall be made available (and copies provided) to the Government upon request. Additionally, where product or process deficiencies have occurred, the contractor's records shall provide documentation that fully describes the root cause of deficiencies and root cause corrective actions.

C.21.19 Material Review Board (MRB). The contractor shall establish an MRB that includes the on-site Government representative. This board is responsible for disposition of minor nonconforming material (product, processes, etc.). Authority to approve all MRB decisions involving repair, rework, use-as-is material, and other non-standard repair procedures will be at the discretion of the Government representative. Both standard and nonstandard repair procedures shall include instructions for reprocessing material after repair and shall specify all contractor inspections required. The contractor shall not consider a new standard repair process until all assignable causes of variance or omitted processes (or process steps) have been eliminated and corrected. The Government's review or concurrence of a repair technique shall not bar the Government's right to reject the material if the Government determines that the repair does not adequately correct the nonconformity. The establishment of the MRB shall be at no cost to the Government.

C.21.191.1 A minor nonconformance is defined as a nonconformance which does not adversely affect any of the following:

- a. Health or safety
- b. Performance or function
- c. Interchangeability, reliability, or maintainability
- d. Effective use or operation
- e. Weight or appearance (when a factor)

C.21.19.2 A major nonconformance is defined as a nonconformance other than minor that cannot be completely eliminated by rework or

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page 91 of 169</p>
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Name of Offeror or Contractor:

reduced to a minor. A nonconformance that is major or critical shall not be subjected to MRB disposition.

- C.21.191.3 "Use-As-Is" is defined as a disposition of material with one minor nonconforming characteristics that has been determined (by MRB) to be usable for its intended purpose in its existing condition.
- C.21.20 Corrective Action Board (CAB). The contractor shall implement a CAB consisting of management representatives of appropriate contractor organizations with the level of responsibility and authority necessary to effect root cause corrective actions and continual improvement of product quality processes and to ensure that the root cause(s) of nonconforming material (product and process) has been identified and that corrective and preventative actions are timely and effective throughout the contractors organization. The CAB shall have the authority to require investigations and studies necessary to define essential corrective and preventative actions which will result in continual improvement of product and processes and reducing costs associated with scrap, rework and repair, and reduction in nonconforming material. The establishment and implementation of the CAB shall be at no cost to the Government.
- C.21.20.1 At no additional cost to the Government, the contractor shall develop and maintain a data system for recording nonconformance information. Typical data is as follows:
- a. Quantity of nonconforming items
 - b. Recurrences (number and type)
 - c. Cause determinations
 - d. Root corrective actions (status and delinquent actions)
 - e. Dispositions (number and type)
 - f. Costs related to each type of disposition (rework, repair, and scrap)
- C.21.21 Acceptance Inspection Equipment. Except as otherwise expressly provided under this contract, the contractor is responsible for the supply and maintenance of all inspection and test equipment necessary to ensure that material and supplies involved n the production & assembly of MMPVs conform to contract requirements. Supplier-furnished inspection and test equipment shall equal or exceed the design criteria and shall be initially approved and certified by the supplier. All inspection and test equipment shall be made available to the Government Quality Assurance Representative (QAR) when required for verification purposes.
- C.21.22 Vehicle System Deprocessing and Verification. The contractor shall develop a vehicle system-deprocessing sheet as part of the FIR (C21.2 and CDRL A036) and submit it to the Government for approval. The Government approved deprocessing sheet shall accompany each MMPV system to verify the condition of all vehicles prior to delivery. The contractor shall correct any deficiencies discovered during verification and deprocessing at no cost to the Government.
- C.22 CONFIGURATION MANAGEMENT; CONFIGURATION BASELINES: [CDRLs A035, A038, A040 and A042]. The MMPV System, delivered with this Contract, must comply with all testing requirements in the ATPD 2372 paragraph 4. The Configuration for the MMPV Systems is frozen at the completion of testing and meeting of the key performance parameters, as defined in Section E/PD Paragraph of this contract. This Configuration will be the basis for all new logistics documentation. The MMPV System will be subject to approval of Engineering Change Proposals (ECPs) and Design Change Notices (DCNs), as defined below, for Configuration Management. No changes shall be made to the hardware without appropriate documentation.
- C.22.1 The Contractor shall be responsible for configuration control throughout the period of this contract. The Contractor shall establish a production baseline for each vehicle type after successful completion of both the Contractors and the Governments portions of the First Article Test (FAT). Any changes made prior to Testing must meet the requirements of ATPD 2372. This baseline will identify and document the functional and physical characteristics of the MMPV. The Government requires a standardized vehicle configuration to improve supportability. The Government acknowledges that the Contractor may want to offer, to the Government, configuration changes being introduced to its commercial production during the term of this contract. However, its important for the Government to assess the impact of any proposed vehicle changes to the logistics and technical requirements established for this program. The Contractor is therefore required to notify the Contracting Officer prior to implementing any configuration changes. The Government reserves the right to disapprove proposed changes that would adversely affect the program. Prior to production, the Contractor shall notify the Government of any impending federal laws and regulations scheduled to go into effect during the life of this contract that may impact configuration, i.e. Environmental Protection Agency (EPA) emissions requirements.
- C.22.2 Configuration Management Requirements.
- C.22.2.1 Configuration Management/Baseline Configuration. Upon completion of First Article Test and Inspection, the Contractor shall work with the U.S. Government to establish a product baseline. The Contractor shall implement configuration control methods and procedures that maintain the integrity of the unit to ensure that the form, fit and function characteristics of the MMPV are met. When configuration changes are proposed, the Contractor shall notify the Government PCO prior to change(s).
- C.22.2.2 Configuration Status Accounting Report Information. The Contractor shall provide a Configuration Status Accounting Report in accordance with DI-CMAN-81253A, CDRL A035.
- C.22.2.3 Allocated Baseline. The Contractor shall prepare a Bill of Material (BOM) in Contractor format. The BOM shall accurately

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 92 of 169
---------------------------	--	-----------------------

Name of Offeror or Contractor:

reflect the as-built condition and shall be submitted concurrently with the First Production Unit Inspection (FPUI) item delivery. Changes made during FPUI will require the Contractor to update and resubmit the BOM prior to FPUI approval. Upon approval of the FPUI, the BOM shall constitute the approved Product Configuration Identification (PCI) for this item. The Contractor shall keep records of all changes which impact the PCI prior to First Article Test and Inspection. The records shall include at a minimum the following information: contractor-supplied unique control numbers, date of submission, complete technical description of change, reason for change, systems affected by the change, list of components remove/reused and/or new components and Contractor primary point of contact for Configuration Management. Logistics impacts (Maintenance, Spares, Training, Special Tools, Technical Manuals, etc.) shall be addressed and delineated. Upon request, Contractor records shall be made available for Government review. Any item changes made will require the Contractor to update and resubmit the affected portions of the BOM.

C.22.2.3.1 The Government will not be responsible for any additional costs to vehicles or software associated with any changes submitted by the Contractor under this section, nor will the Government be liable for costs incurred by the Contractor due to delay in contract performance which may result from any change submission unless the parties agree otherwise.

C.22.2.4 Approval of Engineering Changes. Government approval of changes, following acceptance of the Product Baseline, shall not be construed as relieving the Contractor from its responsibility to furnish all items in conformance with contract requirements, including full responsibility for failure in operation of equipment which resulted from changes previously approved by the Government. The Government reserves the right to disapprove any change where Government review shows the changes would have an adverse effect

C.22.2.5 Configuration Changes. Changes to the Product Baseline shall only be incorporated in accordance with (IAW) the requirement of this section. The Contractor shall propose changes to the established baseline via the submission of Engineering Change Proposals (ECPs), Value Engineering Change Proposals (VECPs), and Requests for Deviation (RFDs) - (See CDRL A038). The Contractor shall implement positive configuration control methods and procedures that maintain the integrity and history of the established baseline. Sufficient supporting data to evaluate the proposed change, such as drawings, supplemental drawings, sketches, specifications, or manufacturers data sheets, shall be submitted with ECPs, VECPs, and RFDs. If changes result in decreased cost, the Government may, at the sole discretion of the Contracting Officer, require an equitable downward adjustment to the contract price. The Contractor shall certify cost impact, and the Government will have the right to conduct post-change audits. If the Government desires a configuration change, the PCO will direct the Contractor to submit an ECP.

C.22.2.6 Engineering Change Proposal (ECP) Definitions. Class I ECP: An Engineering Change Proposal that AFFECTS the form, fit, or function of an approved configuration baseline and its associated technical documentation, and changes affecting the safety, logistics support, cost, warranties and the contract. Class II ECP: An Engineering Change Proposal that has NO EFFECT on any of the factors listed above for the Class I ECP definition.

C.22.2.6.1 Class I ECP Changes Contractor Requested. The contractor shall submit copies of proposed Class I ECP changes per DI-CMAN-80639C, CDRL A040 upon determination of a need for such changes. Supporting documentation shall be sufficient to fully understand the Class I ECP. Impact statements for safety, MANPRINT, integrated logistic support, technical manuals, and transportability will be in Contractor format. The Government reserves the right to require additional testing and test results for proposed changes. The Contractor shall not implement any Class I ECP change prior to Government approval. Notwithstanding any Contractor configuration changes under this provision, the Contractor shall not be relieved of its responsibility to conform to the delivery requirements of this contract.

C.22.2.6.2 Class I ECP Changes Government Directed. In the event the Government desires a change to the end item configuration, the PCO will request, in-writing, a technical/price proposal from the Contractor. Copies of ECPs will be submitted per DI-CMAN-80639C, CDRL A040 and forwarded to the PCO within 30 days of the request.

C.22.2.6.2.1 Technical Data for Government Directed Changes. Where the Government pays for a Class I (ECP) design change under this provision, all efforts expended by the Contractor will result in the unlimited right, title and interest of those changes to be vested in the Government. All drawings developed for these changes shall be delivered/prepared as Developmental Drawings (CDRL A042).

C.22.2.6.2.2 Technical Data Format for Government Directed Changes. At the Governments option, the data may be submitted in either Contractor format or Government formats. In the event Government format is required, the Government will request a pricing proposal. The cost of said data will be included in the funding provided for in the contract modification. The drawing format shall be IAW the TDP Option Selection Worksheet as cited in CDRL A042.

C.22.2.7 Value Engineering Change Proposals (VECPs). The Contractor shall prepare VECPs in the same manner as Class I ECPs.

C.22.2.7.1 Class II Changes. Class II changes have no effect on the Form, Fit, and Function of the item. The Government will review this documentation for the proper classification. If the Government determines that a change submitted as a Class II is actually a Class I, the Contractor will be notified and shall prepare and submit a Class I ECP within 5 working days for Government review. If the Government rejects the resubmitted Class I ECP, the Contractor shall be responsible to retrofit all items produced with the change.

C.22.2.7.2 Engineering Change Inspection and Test. The Government reserves the right to inspect any affected systems or components, at Contractor expense, in order to determine whether the change submitted by ECP should be approved. Any production or delivery delays caused by Government re-inspection will not be considered as excusable delay under the Default clause. In addition, such delays shall

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 93 of 169
---------------------------	--	-----------------------

Name of Offeror or Contractor:

not be the basis for an upward adjustment in contract prices or an extension of delivery schedule. The Government reserves the right to conduct additional testing at Contractor expense if the Government believes any proposed engineering change may have a potential negative impact on the ability of the product to meet the requirements of the purchase description.

C.22.2.8 Effectivity Certification. Changes resulting from Class I ECPS and VECPs, shall be incorporated into the production line through contract modification. Actual cut-in of these changes shall be at a single END ITEM cut-in-point. Each ECP and VECP shall be applied to the production line at one time in their entirety. The Contractor shall maintain the original effectivity point Certification on file.

C.22.2.9 Electronic Data Delivery for Submittal of Configuration Data. The Contractor shall submit ECPS/VECPs/RFDs to the Government electronically. These data submittals shall be in MS Word or Adobe Acrobat formats. For all electronic files, File Transfer Protocol (FTP) can be used. A test transmission shall be conducted with 30 days after the start of contract to work out any problems associated with the electronic transfer.

C.23 VEHICLE HAND-OFF

C.23.1 The Contractor will be responsible to hand off all equipment deliverable under this contract to each gaining unit. The Contractor will perform the hand off and administer any applicable vehicle warranties (see Section H). The Contractor shall deliver all the vehicles ready to operate prior to New Equipment Training. The hand-off effort includes:

C.23.1.1 Re-assembly of the vehicle to a fully operational configuration if the vehicle is shipped with any components removed. All tools and equipment required to complete the re-assembly will be the Contractor's responsibility.

C.23.1.2 Inventory of any material shipped with the vehicle, e.g., technical publications, special tools, initial service packages.

C.23.1.3 De-process each vehicle (includes all the activities to ensure vehicle is in operating order).

C.23.1.4 Provide one-hour familiarization to 68 people from the receiving unit on first machine delivered so they can safely move the vehicle until full training is conducted. Familiarization includes (at a minimum) operator set-up, operating and shut down procedures, safe operations, and daily and weekly service locations and checks.

C.23.1.5 If a warranty applies, activation of the warranty which includes stamping the effective date (date of delivery to gaining unit) on the vehicle warranty data plate, discussing with the unit the terms and details of warranty administration, and pointing out the warranty information included in the TMs will occur at the time of hand-off. The Contractor shall also notify the Contracting Officer in writing or by email of the warranty implementation date by serial number, shipping destination, and DODAAC once the vehicle is handed off.

C.23.1.6 Allow time for the receiving unit to inventory the materials shipped with the vehicle.

C.23.2 Travel costs associated with Vehicle Handoff. Travel costs for Vehicle Handoff will be in as stated in Section B.

C.24 LIFE CYCLE SUSTAINMENT [CDRL A041]

C.24.1 The Contractor shall continually conduct life cycle sustainment analyses (LCS) on all MMPV equipment. The Contractor shall identify potential life cycle sustainment issues that will jeopardize the equipments continued supportability throughout the life cycle. The LCS analysis shall consider Continuous Technology Refreshment (CTR) initiatives, obsolescence elimination initiatives, weapon system concurrency issues, and define recommended remedies/courses of action in an overall effort to reduce total life cycle costs and to ensure continued sustainability, reliability, maintainability, and operability [CDRL A041].

C.24.2 Diminishing Manufacturing Sources and Material Shortages (DMSMS) CDRL A041

C.24.2.1 The Contractor shall develop and maintain a Diminishing Manufacturing Sources and Material Shortages (DMSMS) management plan for managing the loss, or impending loss of manufacturers or suppliers of parts and/or material as required by DOD 41051-4 DOD Supply Chain Management material Regulation.

C.24.2.2 The Contractor shall establish a process for identifying and notifying the Government of forecasted and identified DMSMS issues. The Contractor shall use predictive tools and methods to proactively forecast and monitor parts for DMSMS. The contractor shall also monitor low demand forecasted items to ensure that supportability/Sustainment issues are addressed. The Contractor shall provide access to the Government for their DMSMS forecasting tool.

C.24.3. Follow-on Provisioning Conference. The Government will at its option conduct a Follow-on Provisioning Conference 3-5 years after initial fielding that will require at a minimum, an update on all items required in paragraphs C.11 through C.13.2. The follow-on provisioning conference will be help to update provisioning information for any changes since original provisioning and update failure information based on actual demands, if applicable. Also any new information related to risk assessment (for example, changes in

<p align="center">CONTINUATION SHEET</p>	<p align="center">Reference No. of Document Being Continued</p> <p align="center">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p align="right">Page 94 of 169</p>
---	---	--

Name of Offeror or Contractor:

commercial usage of the parts that may increase or decrease our risk of supportability) should be provided by the contractor for the list of items that were originally determined to be high risk.

C.25 RELIABILITY, AVAILABILITY, MAINTAINABILITY (RAM) PROGRAM

C.25.1 The Contractor shall maintain a comprehensive RAM program to ensure that the MMPV meets the RAM standards set forth in the performance specification. The design shall be monitored throughout the entire period of performance to identify and assess any changes, which would impact RAM. The Contractor shall develop reliability analysis and predictions as required to ensure compliance with the performance specification. The program shall encompass all aspects of reliability with respect to design selection of components, predictions, and testing. If is determined that an item is a throwaway, an analysis shall be performed at the next higher indenture level. The Contractor shall maintain and make available to the Government all RAM data on any vendor or subcontractor supplied item and shall inform the Government of any part or component which will degrade system RAM requirements. The RAM program shall minimally include the following:

C.25.1.1 Procedures and Controls: The Contractor shall maintain procedures and controls, which ensure products, obtained from suppliers, vendors and subcontractors meet reliability requirements. The Contractor shall (a) Establish, implement, and maintain documented procedures, which detect and/or preclude the use of substandard or counterfeit parts in the production process, and impose similar requirements on subcontractors; and (b) Provide the Government with reasonable notice of any special RAM program review meetings scheduled with subcontractors so Government representatives may attend at their discretion.

C.25.1.2 Reliability Predictions: The Contractor shall provide detailed design reliability predictions based on a defined configuration and associated models. The predictions shall be allocated down to the lowest indenture level and updated each time significant design or mission profile changes significantly impact the MMPV or any of its subsystems. The reliability modeling method shall mathematically relate the reliability block diagrams of the MMPV to time-event relationships. These tasks shall be performed in consideration of the end-user operational environment including sun load thermal, shock and vibrations.

C.26 TECHNICAL SUPPORT [CDRL A043]

C.26.1 Contractor Technical Assistance

The contractor shall provide Contractor Technical Assistance CONUS, and OCONUS during non-contingency and contingency operations. This shall be at fixed hourly rates, with individual tasking to be determined later on an as needed basis. The contractor shall provide the man-hours of service specified in the task order. These man-hours may be in support of unforeseen events that require support that is not included in any other portion of this contract. We anticipate the effort to include these types of tasks: investigation and diagnosis of problems or issues in the field related to vehicle performance, maintenance, and training. The Contracting Officer shall designate the times and locations of the service to be performed, but will not supervise or otherwise direct activities. The Contracting officer or his authorized representative shall notify the contractor at least 10 days in advance of CONUS travel and 20 days in advance of OCONUS travel of the date representative(s) are required. Instructions and established itineraries will be provided as necessary.

C.26.2. Field Service Representatives (FSR). The contractor shall provide thoroughly experienced and qualified FSRs who will advise and make recommendations to orient and instruct key government personnel with respect to operation, maintenance, and repair of the MMPV and their components.

C.26.2.1 Man-Hours. The contractor shall provide man-hours of service to locations in both CONUS and OCONUS. The government reserves the right to change the number of hours of services to be furnished to the extent necessary to conform to our requirements and shall be obligated to pay for only actual services used. Each change in quantity shall be at the Man-hour rate established.

C.26.2.1.1 The Man-hour rate does not include travel costs (airfare, local car rental, lodging, meals, and incidental expenses) of the FSR while performing the services. The travel costs will be negotiated prior to the issuance of the delivery order, on a firm-fixed-price basis, and not to exceed the Joint Travel Regulation.

C.26.2.1.2 A Man-Day is 8 hours. The representative is to work no more than 8 hours per day, 40 hours per week, unless otherwise negotiated. Man-hours of service includes any period during which the representative is delayed or prevented from performing any task only if the delay or non-performance is solely the government's fault. Man-hours of service includes travel time for initial travel from contractor's facility to site of work, for travel between sites of work, and to contractor's facility. It also includes any time that the FSR is preparing required reports at the work site and we can verify the time involved in writing the report.

C.26.2.1.3 Saturday/Sunday. When work is not performed on a Saturday/Sunday, and the representative is on site, a man-hour shall be charged at the Saturday/Sunday man-hour per diem rate only.

C.26.2.1.4 Holidays. The government will pay for federal holidays in addition to the actual hours worked at the Man-hour rate established. The government is not responsible for vacation and other holidays and sick leave pay.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 95 of 169
Name of Offeror or Contractor:		

C.26.2.1.5 Emergency Leave. The government is not responsible for any emergency leave that the contractor may grant to the FSR while performing work under this contract. The government is responsible for actual hours worked by any qualified contractor representative. It is immaterial whether the same representative completes the assignment. The negotiated price for travel costs will include only one complete round-trip transportation and travel costs between sites of work per assignment.

C.26.2.1.6. FSR Personal Data. The contractor shall make available personal data related to the FSRs including documentary evidence such as birth certification and such evidence as is requested by the local government installation or area in which services are to be performed. The contractor shall request approval for each FSR and include a statement of qualification for each representative. Government approval shall be limited to granting or denying security clearance for the person(s) named. The contractor shall contact local personnel and comply with local procedures. The local personnel will be identified in the delivery order.

C.26.3 Contract Field Service Report/Field Service Representative (FSR) Reports CDRL A043

Each FSR shall prepare and deliver via e-mail a report in accordance with CDRL A043 following completion of each assignment covering his activities.

C.26.4 Field Service Representative Travel. FSR travel costs will be negotiated prior to the issuance of any task order on a firm-fixed price basis, not to exceed costs authorized in the Joint Travel Regulation (JTR).

C.27 ENGINEERING DRAWINGS/MODELS AND ASSOCIATED LISTS [CDRL A044]

C.27.1 Contractor engineering drawings/models and associated lists are required for modeling and simulation of test/verification events, interface management, and as-necessary Government development of installation, operation, maintenance, and training material. They (drawings/models and associated lists) shall provide form, fit, and function characteristics and are acceptable with Contractor restricted rights as proprietary data.

C.27.2 The Contractor shall develop and deliver Medium Mine Protected Vehicle Product Drawings/Models and Associated Lists IAW DI-SESS-81000C (CDRL A044), TDP Option Worksheets, Tailoring Checklist, Attachment 013 (Metadata Attributes), and MIL-DTL-31000C, Technical Data Package. The product data shall be in native and neutral computer aided design (CAD) formats using Digital Product Definition Datasets and Model Based Definition (MBD) Practices IAW ASME Y14.41, Reference Section 1.8, and ISO 10303 STEP AP 214 (part, assembly models and product structure).

C.27.2.1 The Medium Mine Protected Vehicle model product datasets shall contain a 3-D representation of a part and assembly that is fully parametric, has associated 3-D geometry, 3-D dimensions, 3-D tolerances, 3-D annotations, and contains at least one stored functional dimensioning and tolerance view. Included are the associated parts, notes, and attributes lists, mass proprieties, material requirements, and contains corresponding part and assembly material and process specifications, and associated documentation.

C.27.2.2 The Contractor shall deliver the Medium Mine Protected Vehicle part and assembly product structure via ISO 10303 STEP AP 214 data export standard required to package the tree structure, content files and metadata for all (native and neutral) part and assembly solid model file formats.

C.27.2.3 The Contractor shall use ASME Y14.100, Y14.5, Y14.24, Y14.34, and Y14.35 for composite datasets where part and assemblies designed in CAD have 2-D detail, assembly, installation, and kit drawings and parts lists. All 2-D Product Drawings and Associated Lists shall be sourced directly from 3-D part and assembly master CAD files/models.

C.28 Camouflage Line Art Drawing [CDRL A010]

C.28.1.1 The contractor shall provide line art drawings for the MMPV in accordance with CDRL A010. The scale shall be no less than 1/8 inch equals one foot. The contractor shall prepare separate data depicting the following views:

- a. front.
- b. back.
- c. right side.
- d. left side.
- e. top.

C.28.1.2 All camouflage line art data shall include length, width, and height dimensions relative to each other and shall be detailed to the extent that all surface features of the item that cover one square inch or more of area are clearly delineated to scale. The lower right hand corner of each drawing shall contain the following information:

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 96 of 169
Name of Offeror or Contractor:		

- a. nomenclature of the item depicted.
- b. view depicted.
- c. contract number.

-- END OF SCOPE --

*** END OF NARRATIVE C 0001 ***

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page 97 of 169</p>
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Name of Offeror or Contractor:

SECTION D - PACKAGING AND MARKING

	Regulatory Cite	Title	Date
D-1	252.211-7003	ITEM IDENTIFICATION AND VALUATION	JUN/2005

[Note: The following clause requires unique item identification marking, or a DoD recognized unique identification equivalent, for items listed in paragraphs (c)(1)(ii) of the clause. Unique item identification marking is also required for all items delivered under the contract for which the government's acquisition cost (as defined under 'Definitions' below) is \$5,000 or more. Unique item identification marking is required for embedded subassemblies, components, and parts if listed in paragraph (c)(1)(iii). In the event that the government has not yet identified these items or embedded parts, paragraph (c)(1)(ii) will read "TBD" for "to be determined". If these items are identified by the government before the time proposals are due, an amendment to the solicitation will be issued which identifies them. If not, award will be made on the basis of them not being identified, however the contract may be later modified to include such identification marking. This clause also requires the contractor to report the government's acquisition cost for each item delivered under the contract. Information concerning these requirements is available at <http://www.acq.osd.mil/uid>]

- (a) Definitions. As used in this clause--
- "Automatic identification device" means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

Concatenated unique item identifier means

(1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or

(2) For items that are serialized within the original part, lot, or batch number, the linking together of the unique identifier data elements in order of the issuing agency code; enterprise identifier; original part, lot, or batch number; and serial number within the original part, lot, or batch number.

Data qualifier means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

DoD recognized unique identification equivalent means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at <http://www.acq.osd.mil/dpap/UID/equivalents.html> .

DoD unique item identification means a system of marking items delivered to DoD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

Enterprise means the entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

Enterprise identifier means a code that is uniquely assigned to an enterprise by an issuing agency.

Governments unit acquisition cost means

(1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery;

(2) For cost-type or undefinitized line, subline, or exhibit line items, the Contractors estimated fully burdened unit cost to the Government at the time of delivery; and

(3) For items produced under a time-and-materials contract, the Contractors estimated fully burdened unit cost to the Government at the time of delivery.

Issuing agency means an organization responsible for assigning a non-repeatable identifier to an enterprise (i.e., Dun & Bradstreets Data Universal Numbering System (DUNS) Number, Uniform Code Council (UCC) /EAN International (EAN) Company Prefix, or Defense Logistics Information System (DLIS) Commercial and Government Entity (CAGE) Code.

Issuing agency code means a code that designates the registration (or controlling) authority for the enterprise identifier.

Item means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 98 of 169
Name of Offeror or Contractor:		

Lot or batch number means an identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.

Machine-readable means an automatic identification technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

Original part number means a combination of numbers or letters assigned by the enterprise at item creation to a class of items with the same form, fit, function, and interface.

Parent item means the item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

Serial number within the enterprise identifier means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

Serial number within the part, lot, or batch number means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part, lot, or batch number assignment.

Serialization within the enterprise identifier means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

Serialization within the part, lot, or batch number means each item of a particular part, lot, or batch number is assigned a unique serial number within that part, lot, or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot, or batch number within the enterprise identifier.

Unique item identifier means a set of data elements marked on items that is globally unique and unambiguous.

Unique item identifier type means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at http://www.acq.osd.mil/dpap/UID/uid_types.html .

- (b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.
- (c) DoD unique item identification or DoD recognized unique identification equivalents.
 - (1) The Contractor shall provide DoD unique item identification, or a DoD recognized unique identification equivalent, for
 - (i) All delivered items for which the Governments unit acquisition cost is \$5,000 or more; and
 - (ii) The following items for which the Governments unit acquisition cost is less than \$5,000:

Contract Line, Subline, or Exhibit Line Item Number: To Be Determined

Item Description: To Be Determined
 - (iii) Subassemblies, components, and parts embedded within delivered items, specified as follows, or in Attachment To Be Determined.
 - (2) The concatenated unique item identifier and the component data elements of the DoD unique item identification or DoD recognized unique identification equivalent shall not change over the life of the item.
 - (3) Data syntax and semantics of DoD unique item identification and DoD recognized unique identification equivalents. The Contractor shall ensure that
 - (i) The encoded data elements (except issuing agency code) of the unique item identifier are marked on the item using one of the following three types of data qualifiers, as determined by the Contractor:

(A) Data Identifiers (DIs) (Format 06) in accordance with ISO/IEC International Standard 15418, Information Technology EAN/UCC Application Identifiers and ANSI MH 10 Data Identifiers and ANSI MH 10 Data Identifiers and Maintenance.

(B) Application Identifiers (AIs) (Format 05), in accordance with ISO/IEC International Standard 15418, Information Technology EAN/UCC Application Identifiers and ANSI MH 10 Data Identifiers and ANSI MH 10 Data Identifiers and Maintenance.

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page 99 of 169</p>
--	--	--

Name of Offeror or Contractor:

(C) Text Element Identifiers (TEIs), in accordance with the DoD collaborative solution DD format for use until the solution is approved by ISO/IEC JTC1 SC 31. The DD format is described in Appendix D of the DoD Guide to Uniquely Identifying Items, available at <http://www.acq.osd.mil/dpap/UID/guides.htm> ; and

(ii) The encoded data elements of the unique item identifier conform to ISO/IEC International Standard 15434, Information Technology Syntax for High Capacity Automatic Data Capture Media.

(4) DoD unique item identification and DoD recognized unique identification equivalents.

(i) The Contractor shall

(A) Determine whether to serialize within the enterprise identifier or serialize within the part, lot, or batch number; and

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; and for serialization within the part, lot, or batch number only; original part, lot, or batch number) on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in the version of MIL-STD-130, Identification Marking of U.S. Military Property, cited in the contract Schedule.

(ii) The issuing agency code

(A) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) For each item that requires unique item identification under paragraph (c)(1)(i) or (ii) of this clause, in addition to the information provided as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the Contractor shall report at the time of delivery, either as part of, or associated with, the Material Inspection and Receiving Report, the following information:

(1) Concatenated unique item identifier; or DoD recognized unique identification equivalent.

(2) Unique item identifier type.

(3) Issuing agency code (if concatenated unique item identifier is used).

(4) Enterprise identifier (if concatenated unique item identifier is used).

(5) Original part number.

(6) Lot or batch number.

(7) Current part number (if not the same as the original part number).

(8) Current part number effective date.

(9) Serial number.

(10) Governments unit acquisition cost.

(e) For embedded DoD serially managed subassemblies, components, and parts that require unique item identification under paragraph (c)(1)(iii) of this clause, the Contractor shall report at the time of delivery, either as part of, or associated with the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

(1) Concatenated unique item identifier or DoD recognized unique identification equivalent of the parent item delivered under a contract line, subline, or exhibit line item that contains the embedded subassembly, component, or part.

(2) Concatenated unique item identifier or DoD recognized unique identification equivalent of the embedded subassembly, component, or part.

(3) Unique item identifier type.**

(4) Issuing agency code (if concatenated unique item identifier is used).**

(5) Enterprise identifier (if concatenated unique item identifier is used).**

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 100 of 169
Name of Offeror or Contractor:		

- (6) Original part number.**
- (7) Lot or batch number.**
- (8) Current part number (if not the same as the original part number.**
- (9) Current part number effective date.**
- (10) Serial number.**
- (11) Unit of measure.
- (12) Description.

** Once per item.

(f) The Contractor shall submit the information required by paragraphs (d) and (e) of this clause in accordance with the data submission procedures at <http://www.acq.osd.mil/dpap/UID/DataSubmission.htm>.

(g) Subcontracts. If paragraph (c)(1) of this clause applies, the Contractor shall include this clause, including this paragraph (g), in all subcontracts issued under this contract.

[End of Clause]

D-2	252.211-7006	RADIO FREQUENCY IDENTIFICATION (reflects DoD Class Deviation 2006-00003)	MAY/2006
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Note: This clause requires contractors to affix passive (as defined in the clause) RFID tags at the case and palletized unit load level when shipping parts to the depots shown in paragraph b(1)(ii) below. "New Cumberland" is a part of Susquehanna. Shipments to New Cumberland require RFID tagging where the DoDAAC is either W25G1U or SW3124. Procurement Technical Assistance Centers (PTACs) <http://www.dla.mil/db/procurem.htm> can assist contractors with this RFID requirement. Check with one in your region.

(a) Definitions. As used in this clause

Advance shipment notice means an electronic notification used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment.

Bulk commodities means the following commodities, when shipped in rail tank cars, tanker trucks, trailers, other bulk wheeled conveyances, or pipelines:

- (1) Sand.
- (2) Gravel.
- (3) Bulk liquids (water, chemicals, or petroleum products).
- (4) Ready-mix concrete or similar construction materials.
- (5) Coal or combustibles such as firewood.
- (6) Agricultural products such as seeds, grains, or animal feed.

Case means either a MIL-STD-129 defined exterior container within a palletized unit load or a MIL-STD-129 defined individual shipping container.

Electronic Product Code\'99 (EPC) means an identification scheme for universally identifying physical objects via RFID tags and other means. The standardized EPC data consists of an EPC (or EPC identifier) that uniquely identifies an individual object, as well as an optional filter value when judged to be necessary to enable effective and efficient reading of the EPC tags. In addition to this standardized data, certain classes of EPC tags will allow user-defined data. The EPC tag data standards will define the length and position of this data, without defining its content.

EPCglobal\'99 means a joint venture between EAN International and the Uniform Code Council to establish and support the EPC

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 101 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

network as the global standard for immediate, automatic, and accurate identification of any item in the supply chain of any company, in any industry, anywhere in the world.

Exterior container means a MIL-STD-129 defined container, bundle, or assembly that is sufficient by reason of material, design, and construction to protect unit packs and intermediate containers and their contents during shipment and storage. It can be a unit pack or a container with a combination of unit packs or intermediate containers. An exterior container may or may not be used as a shipping container.

Palletized unit load means a MIL-STD-129 defined quantity of items, packed or unpacked, arranged on a pallet in a specified manner and secured, strapped, or fastened on the pallet so that the whole palletized load is handled as a single unit. A palletized or skidded load is not considered to be a shipping container. A loaded 463L System pallet is not considered to be a palletized unit load. Refer to the Defense Transportation Regulation, DoD 4500.9-R, Part II, Chapter 203, for marking of 463L System pallets.

Passive RFID tag means a tag that reflects energy from the reader/interrogator or that receives and temporarily stores a small amount of energy from the reader/interrogator signal in order to generate the tag response.

- (1) Until February 27, 2007, the acceptable tags are
 - (i) EPC Class 0 passive RFID tags that meet the EPCglobal Class 0 specification; and
 - (ii) EPC Class 1 passive RFID tags that meet the EPCglobal Class 1 specification. This includes both the Generation 1 and Generation 2 Class 1 specifications.

- (2) Beginning March 1, 2007, the only acceptable tags are EPC Class 1 passive RFID tags that meet the EPCglobal Class 1 Generation 2 specification. Class 0 and Class 1 Generation 1 tags will no longer be accepted after February 28, 2007.

Radio Frequency Identification (RFID) means an automatic identification and data capture technology comprising one or more reader/interrogators and one or more radio frequency transponders in which data transfer is achieved by means of suitably modulated inductive or radiating electromagnetic carriers.

Shipping container means a MIL-STD-129 defined exterior container that meets carrier regulations and is of sufficient strength, by reason of material, design, and construction, to be shipped safely without further packing (e.g., wooden boxes or crates, fiber and metal drums, and corrugated and solid fiberboard boxes).

- (b)
 - (1) Except as provided in paragraph (b)(2) of this clause, the Contractor shall affix passive RFID tags, at the case and palletized unit load packaging levels, for shipments of items that
 - (i) Are in any of the following classes of supply, as defined in DoD 4140.1-R, DoD Supply Chain Materiel Management Regulation, AP1.1.11:
 - (A) Subclass of Class I Packaged operational rations.
 - (B) Class II Clothing, individual equipment, tentage, organizational tool kits, hand tools, and administrative and housekeeping supplies and equipment.
 - (C) Class IIIP Packaged petroleum, lubricants, oils, preservatives, chemicals, and additives.
 - (D) Class IV Construction and barrier materials.
 - (E) Class VI Personal demand items (non-military sales items).
 - (F) Subclass of Class VIII Medical materials (excluding pharmaceuticals, biologicals, and reagents).
 - (G) Class IX Repair parts and components including kits, assemblies and subassemblies, reparable and consumable items required for maintenance support of all equipment, excluding medical-peculiar repair parts; and
 - (ii) Are being shipped to any of the following locations:
 - (A) Defense Distribution Depot, Susquehanna, PA: DoDAAC W25G1U or SW3124.
 - (B) Defense Distribution Depot, San Joaquin, CA: DoDAAC W62G2T or SW3224.

<p>CONTINUATION SHEET</p>	<p>Reference No. of Document Being Continued</p> <p>PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p>Page102 of 169</p>
----------------------------------	---	-------------------------------------

Name of Offeror or Contractor:

- (C) Defense Distribution Depot, Albany, GA: DoDAAC SW3121.
- (D) Defense Distribution Depot, Anniston, AL: DoDAAC W31G1Z or SW3120.
- (E) Defense Distribution Depot, Barstow, CA: DoDAAC SW3215.
- (F) Defense Distribution Depot, Cherry Point, NC: DoDAAC SW3113.
- (G) Defense Distribution Depot, Columbus, OH: DoDAAC SW0700.
- (H) Defense Distribution Depot, Corpus Christi, TX: DoDAAC W45H08 or SW3222.
- (I) Defense Distribution Depot, Hill, UT: DoDAAC SW3210.
- (J) Defense Distribution Depot, Jacksonville, FL: DoDAAC SW3122.
- (K) Defense Distribution Depot, Oklahoma City, OK: DoDAAC SW3211.
- (L) Defense Distribution Depot, Norfolk, VA: DoDAAC SW3117.
- (M) Defense Distribution Depot, Puget Sound, WA: DoDAAC SW3216.
- (N) Defense Distribution Depot, Red River, TX: DoDAAC W45G19 or SW3227.
- (O) Defense Distribution Depot, Richmond, VA: DoDAAC SW0400.
- (P) Defense Distribution Depot, San Diego, CA: DoDAAC SW3218.
- (Q) Defense Distribution Depot, Tobyhanna, PA: DoDAAC W25G1W or SW3114.
- (R) Defense Distribution Depot, Warner Robins, GA: DoDAAC SW3119.
- (S) Air Mobility Command Terminal, Charleston Air Force Base, Charleston, SC: Air Terminal Identifier Code CHS.
- (T) Air Mobility Command Terminal, Naval Air Station, Norfolk, VA: Air Terminal Identifier Code NGU.
- (U) Air Mobility Command Terminal, Travis Air Force Base, Fairfield, CA: Air Terminal Identifier Code SUU.

(2) Bulk commodities are excluded from the requirements of paragraph (b)(1) of this clause.

(c) The Contractor shall ensure that

(1) The data encoded on each passive RFID tag are unique (i.e., the binary number is never repeated on any and all contracts) and conforms to the requirements in paragraph (d) of this clause;

(2) Each passive tag is readable; and

(3) The passive tag is affixed at the appropriate location on the specific level of packaging, in accordance with MIL-STD-129 (Section 4.9.2) tag placement specifications.

(d) Data syntax and standards. The Contractor shall encode an approved RFID tag using the instructions provided in the most recent EPC\ '99 Tag Data Standards document, available at http://www.epcglobalinc.org/standards_technology/specifications.html.

(1) If the Contractor is an EPCglobal\ '99 subscriber and possesses a unique EPC\ '99 company prefix, the Contractor may use any of the identity types and encoding instructions described in the most recent EPC\ '99 Tag Data Standards document to encode tags.

(2) If the Contractor chooses to employ the DoD Identity Type, the Contractor shall use its previously assigned Commercial and Government Entity (CAGE) Code and shall encode the tags in accordance with the tag identity type details located at http://www.acq.osd.mil/log/rfid/tag_data.htm. If the Contractor uses a third party packaging house to encode its tags, the CAGE code of the third party packaging house is acceptable.

(3) Regardless of the selected encoding scheme, the Contractor is responsible for ensuring that each tag contains a globally

<p align="center">CONTINUATION SHEET</p>	<p align="center">Reference No. of Document Being Continued</p> <p align="center">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p align="right">Page103 of 169</p>
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Name of Offeror or Contractor:

unique identifier.

(e) Receiving report. The Contractor shall electronically submit advance shipment notice(s) with the RFID tag identification (specified in paragraph (d) of this clause) in advance of the shipment in accordance with the procedures at http://www.acq.osd.mil/log/rfid/advance_shipment_ntc.htm.

[End of Clause]

D-3	52.247-4016	HEAT TREATMENT AND MARKING OF WOOD PACKAGING MATERIALS	AUG/2005
	(TACOM)		

Boxes/pallets and any wood used as inner packaging made of non-manufactured wood shall be heat-treated. All non-manufactured wood used in packaging shall be heat treated to a core temperature of 56 degrees Celsius for a minimum of 30 minutes. The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall be affiliated with an inspection agency accredited by the board of review of the American Lumber Standard Committee. The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall ensure traceability to the original source of heat treatment.

Marking. Each box/pallet shall be marked to show the conformance to the International Plant Protection Convention Standard. The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens; on two sides of the pallet. Foreign manufacturers shall have the heat treatment of non-manufactured wood products verified in accordance with their National Plant Protection Organization's compliance program. In addition, wood used as dunnage for blocking and bracing shall be ordered with ALSC certified marking for dunnage or the markings may be applied locally at two foot intervals.

[End of Clause]

D-4 Special Instructions Regarding Clause DFAR 252.211-7006 Radio Frequency Identification

D-4.1 Not withstanding section (b)(1)(ii) of the clause "Radio Frequency Identification," the contractor shall apply RFID tags to all shipments defined in section (b)(1)(i) of that clause, regardless of destination.

D-4.2 Not withstanding section (b)(1)(i)(G) of clause "Radio Frequency Identification," the contractor shall apply RFID tags to all vehicles, regardless of destination.

D-5 Preservation and Packaging

D-5.1 Software, technical data, reports, etc. shall be preserved and packed sufficient to ensure safe delivery at the point of delivery.

D-5.2 Contractor shall preserve and package all reparable items IAW the approved packaging data as generated and submitted by the Contractor and approved by the Government.

D-5.2.1 All consumable items, Training Aids, System Support Packages (SSP) and Special Tools scheduled for shipment shall be preserved and packaged by the Contractor to provide exceptional physical and mechanical protection, provide multiple handling, shipment by any mode, placed into storage for a period of one (1) year in an enclosed environmentally controlled facility and suitable for redistribution without additional repackaging IAW Attachment 10.

D-5.3 Each MMPV vehicle shall be processed to Level B drive-on/drive-off requirements IAW Contractor developed and Government approved EPDS (REF: Paragraph C.19.1) prior to shipment and possible storage for a period up to 90 days in outdoor environment. Fuel tanks shall be one-half (1/2) filled with operational fuel and applicable biocide or JP8 fuel. All batteries shall be fully charged. All vehicles and mechanical equipment containing internal combustion engines or wet batteries are subject to requirements of Code of Federal Regulation Title 49 (for truck and rail transport), International Maritime Dangerous Goods Code (for vessel transport) and the Joint Service Regulation AFMAN24-204/TM38-250 (for military air). All preventive maintenance shall be performed prior to Government acceptance. All components removed from the vehicle for reduction of cube including accessories shall be preserved, packaged, packed and marked to ensure safe delivery within the vehicle and minimize pilferage, corrosion and deterioration during shipment to receiving activity including temporary outdoor storage for up to 90 days.

D-5.4 Wood material utilized in the shipment and storage of all reparable items and the MMPV must comply with requirements outlined within this paragraph. Boxes, pallets and inner packaging that are fabricated using non-manufactured wood shall be heat-treated for all military and commercial packaging application. All non-manufactured wood used in packaging shall be heat-treated to a core temperature of 56 degrees Celsius for a minimum of 30 minutes. The manufacturers of boxes, pallets and wood members used as inner packaging shall be affiliated with a inspection agency accredited by the board of review of the American Lumber Standard Committee (ALSC). The manufacturer of boxes and pallets and the manufacturer of wood used as inner packaging shall ensure tractability to the original source of heat treatment. Each box and pallet shall be marked to show conformance to the International Plant Protection Convention Standard (IPPCS).

<p align="center">CONTINUATION SHEET</p>	<p align="center">Reference No. of Document Being Continued</p> <p align="center">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p align="right">Page104 of 169</p>
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Name of Offeror or Contractor:

The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens on two sides of the pallet or box. Foreign manufacturers shall have the heat treatment of non-manufactured wood products verified in accordance with their National Plant Protection Organizations compliance program.

D-5.5 For each hazardous material item shipped under this contract, a copy of the Material Safety Data Sheet (MSDS) shall be placed into a sealed pouch and attached to the outside surface area of the Unit Container and Intermediate Container containing the prescribed hazardous material item(s).

D-6 Marking

D-6.1 All vehicles shall be marked and labeled IAW Defense Transportation Regulations (DTR) and MIL-STD-129 Revision P (3). Additionally, each export shipped vehicle shall have the following placarded on the vehicle:

THIS VEHICLE SHOULD NOT BE DECK LOADED. THIS VEHICLE IS NOT PRESERVED OR APPROVED FOR DECK LOADING.

L = _____ FT. W = _____ FT. H = _____ FT.
GROSS WEIGHT = _____ LBS. CUBE = _____ CU. FT.

CONTRACTORS NAME
CONTRACTORS ADDRESS
CITY, PROVINCE, COUNTRY, ZIP CODE

D-6.2 All consolidation containers shall be marked in accordance with Contractors standard practice.

D-6.3 All software, technical data, reports, etc. referenced in Paragraph D.1.1 shall be identified by the prime contract number, name and address of the prime contractor, and where applicable, the name and address of the subcontractor generating the data.

D-6.4 All material shipped into the military distribution system shall be marked in accordance with MIL-STD-129 Revision P (3), dated 29 OCT 2004 including bar coding. Contractor is responsible for application of special markings including but are not limited to Shelf-life, structural and special handling markings.

D-6.4.1 Contractors and vendors shall apply identification and address markings with bar codes in accordance with MIL-STD-129 Revision P (3). For shipments moving to overseas locations and for mobile deployable units, the in-the-clear address must also include the host country geographic address and the APO/FPO address.

A Military Shipment Label (MSL) is required for all shipments except contractor to contractor. The MSL will include both linear and 2D bar codes per the standard. Direct Vendor Delivery (DVD) shipment documentation must also be marked with additional bar codes. The DD Form 250 or the commercial packing list shall have additional issue/receipt bar coding applied as per DVD Shipments in the standard (except for deliveries to DLA Distribution Depots, e.g. New Cumberland, San Joaquin, Red River, Anniston). Packing lists are required in accordance with MIL-STD-129 Revision P (3), Paragraph 5.3.

D-6.4.2 Commercial software may be used to generate a Military Shipment Label / Issue Receipt Document (MSL/IRRD) including the required Code 39 and 2D (PDF417) bar codes. However, the commercial software must produce labels/documents which comply with the requirements of MIL-STD-129 Revision P (3). Contractors shall insure that the "ship to" and "mark for" in-the-clear delivery address is complete including: consignees name, organization, department name, office, building, room, street address, city, state, country code, and DODAAC. (Army developed software, for creating MSL/IRRD previously available to those with government contracts is no longer supported.)

D-7 Loading, Blocking, and Bracing

D-7.1 Damage that occurs to any vehicle during departure from the Contractor's facility until final acceptance shall be repaired and replaced by the Contractor at no cost to the Government. Contractor shall be liable for payment of any damage to a unit caused by the failure to load, block, and brace IAW acceptable standards set forth herein.

D-7.2 Shipments of vehicle by rail shall be blocked and braced IAW the Association of American Railroads by the Contractor. Shipments, for which the Association of American Railroads has published no such standards, shall be blocked and braced IAW standard established by the shipper as evidenced by written acceptance of an authorized representative of the carrier.

D-7.3 For truck transportability, the Contractor shall load, block, and brace the vehicle onto a designated carrier in accordance with standard commercial freight (truck) practice.

D-7.4 For surface vessel shipments, vehicle shall be preserved, packaged, loaded, blocked and braced IAW the Contractor's standard practice and meet the International Maritime Organization (IMO) International Maritime Dangerous Goods (IMDG).

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 105 of 169
Name of Offeror or Contractor:		

*** END OF NARRATIVE D 0001 ***

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 106 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

SECTION E - INSPECTION AND ACCEPTANCE

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
E-1	52.246-2	INSPECTION OF SUPPLIES--FIXED-PRICE	AUG/1996
E-2	52.246-4	INSPECTION OF SERVICES - FIXED-PRICE	AUG/1996
E-3	52.246-16	RESPONSIBILITY FOR SUPPLIES	APR/1984
E-4	52.209-4	FIRST ARTICLE APPROVAL--GOVERNMENT TESTING [ALTERNATE I (JAN 1997) AND ALTERNATE II (SEP 1989)]	SEP/1989

(a) The Contractor shall deliver 4 unit(s) of Contract Line Item 1002AA within 120 calendar days and 3 additional units of 1002AA within 150 days (or earlier, if proposed by contractor) from the date of this contract or, if the DESIRED DELIVERY SCHEDULE clause is in section F, as specified in the clause, or as otherwise proposed by the contractor and accepted by the Government. the Government at the following address:

Aberdeen Test Center (ATC), Aberdeen Proving Ground, MD - 2 units
Yuma Proving Ground, Yuma Test Center, Yuma, AZ - 4 units
Contractor Facility - 1 unit

for first article tests. The shipping documentation shall contain this contract number and the Lot/Number identification. The characteristics that the first article must meet are specified elsewhere in this contract.

(b) Within 300 calendar days after the Government receives the first article, the Contracting Officer shall notify the Contractor, in writing, of the conditional approval, approval, or disapproval of the first article. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article is disapproved, the Contractor, upon Government request, shall submit an additional first article for testing. After each request, the Contractor shall make any necessary changes, modifications, or repairs to the first article or select another first article for testing. All costs related to these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall furnish any additional first article to the Government under the terms and conditions and within the time specified by the Government. The Government shall act on this first article within the time specified in paragraph (b) above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule, or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article on time, or the Contracting Officer disapproves any first article, the Contractor shall be deemed to have failed to make delivery within the meaning of the DEFAULT clause of this contract.

(e) Unless otherwise provided in the contract, the Contractor--

(1) May deliver the approved first article as a part of the contract quantity, provided it meets all contract requirements for acceptance and was not consumed or destroyed in testing; and

(2) Shall remove and dispose of any first article from the Government test facility at the Contractor's expense.

(f) If the Government does not act within the time specified in paragraph (b) or (c) above, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the CHANGES clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(g) The Contractor is responsible for providing operating and maintenance instructions, spare parts support, and repair of the first article during any first article test.

(h) Before first article approval, the Contracting Officer may, by written authorization, authorize the Contractor to acquire specific materials or components or to commence production to the extent essential to meet the delivery schedules. Until first article approval is granted, only costs for the first article and costs incurred under this authorization are allocable to this contract for (1) progress payments, or (2) termination settlements if the contract is terminated for the convenience of the Government. If first article tests reveal deviations from contract requirements, the Contractor shall, at the location designated by the Government, make the required changes or replace all items produced under this contract at no change in the contract price.

(i) The Government may waive the requirement for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the Offeror/Contractor and have been accepted by the Government. The Offeror/Contractor may request a waiver.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page107 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

(j) The Contractor shall produce both the first article and the production quantity at the same facility.

[End of Clause]

TACOM ADDENDUM:

For purposes of this contract, interpret Paragraph (h) above to mean that the PCO hereby authorizes you to purchase all material and components necessary to produce the production quantity.

[End of Addendum]

E-5 52.246-11 HIGHER-LEVEL CONTRACT QUALITY REQUIREMENT FEB/1999

The Contractor shall comply with the higher-level quality standard selected below.

ISO 9001:2000, Quality Management System (current revision) or equivalent.

[End of Clause]

E-6 52.209-4000 NOTICES REGARDING FIRST ARTICLE TEST REQUIREMENT FEB/1998
(TACOM)

(a) One of the approved First Article item(s), as described elsewhere in Section C or E of this contract, shall be consumed or destroyed in testing. (Where the approved First Article quantity will be consumed or destroyed in testing, it shall not be delivered as part of the contractually required quantity as set forth in the Schedule. The cost of the supplies so consumed or destroyed shall be included in the overall offer or contract price.)

(b) One of the approved First Article item(s) shall serve as a manufacturing standard. (If the approved First Article quantity will serve as a manufacturing standard, it may be delivered as part of the contractual quantity with the last scheduled shipment as provided in Section B or F of the contract.)

E-7 52.209-4012 NOTICE REGARDING FIRST ARTICLE APR/2000
(TACOM)

(a) Notwithstanding the provisions for waiver of first article, an additional first article sample (or portion thereof) may be ordered by the Contracting Officer in writing when (i) a major change is made to the technical data, (ii) whenever there is a lapse in production for a period in excess of one year, or (iii) whenever a change occurs in place of performance, manufacturing process, material used, drawing, specification or source of supply.

(b) When any of the conditions above occurs, the Contractor shall notify the Contracting Officer so that a determination can be made concerning the need for the additional first article sample (or portion thereof), and instructions can be provided concerning the submission, inspection, and notification of results.

(c) Costs of any additional testing and inspection resulting from conditions specified above shall be borne by the Contractor, unless the change was directed by the Government. Further, any production delays caused by additional testing and inspection will not be the basis for an excusable delay as defined in the default clause of this contract. Such delays shall not form the basis for adjustment in contract price or delivery schedule.

[End of Clause]

E-8 52.211-4029 INTERCHANGEABILITY OF COMPONENTS MAY/1994
(TACOM)

(a) DESIGN CHANGES TO ITEMS NOT UNDER GOV'T DESIGN CONTROL. Once the Government accepts the first production test item, or accepts the first end item you deliver, (whichever comes first) you must not make design changes to any item or part that is not under Government design control.

(b) WHEN THE POLICY CAN BE WAIVED. The Procuring Contracting Officer (PCO) will consider waiving this policy at your request. If your request reaches the CO after the first production item test has been performed, then we may conduct another first production test at your expense.

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page108 of 169</p>
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Name of Offeror or Contractor:

(c) PRODUCTION OR DELIVERY DELAYS. Any production or delivery delays caused by this retesting will not be the basis for:

- (1) an "excusable delay" as defined in the DEFAULT clause of this contract.
- (2) be the basis for an increase in contract price or delivery schedule extension.

[End of clause]

E-9	52.211-4030	BASIC APPLICATION AND TESTING REQUIREMENTS FOR CHEMICAL AGENT RESISTANT COATINGS (CARC) ON METALLIC SURFACES	DEC/2005
	(TACOM)		

(a) Scope: The requirements contained herein apply whenever any CARC topcoats and primers as specified in MIL-DTL-53072 are cited in the contract.

(b) CARC Primers: Select Army Research Laboratories (ARL) approved powder coat primers can also be used as a replacement for liquid primers such as MIL-P-53022 and MIL-P-53030 primers. Any part that has rust, mill scale, or any other surface contamination must be cleaned prior to the application of any coating IAW TT-C-490.

(c) End-Item Inspection. After the complete paint finish has been applied and cured* (see note below), the Contractor shall test and inspect two units per lot for (i) workmanship, (ii) total paint film thickness, and (iii) paint adhesion. Unless otherwise agreed to between the Contractor and the Government quality assurance representative, a lot shall be defined as all units submitted for final Government acceptance at one time. The use of test panels in lieu of actual production units is prohibited.

At final inspection, the cumulative total paint film thickness of pretreatment, primer, and topcoat shall be the sum of the minimum and maximum thicknesses for individual elements of the paint finish as specified in MIL-DTL-53072. The specific number of test locations shall be agreed to by the Government quality assurance representative in advance. In addition, two locations on each sample unit shall be selected to conduct the scribe tape test. The test locations shall be routinely varied among the following:

- (1) Directly adjacent to a weld.
- (2) On or directly adjacent to a machine cut or sheared edge.
- (3) On any mechanically formed surface when lubricants/drawing compounds were used.
- (4) On paint touch-up areas.

The precise location for each scribe tape shall be in an inconspicuous location that has been accepted by the Government quality assurance representative before the test is conducted.

Upon completion of the scribe tape test, the scribe marks shall be feathered into the adjacent area and touched up with the required topcoat so that the tested area conforms to the requirements total DFT specified in MIL-DTL-53072.

*NOTE: The complete paint finish is defined as the pretreatment, primer, and topcoat applied to the substrate. Curing of the complete paint finish is dependent upon temperature, humidity, and paint film thickness. The time necessary to achieve sufficient adhesion to pass the scribe tape test must be determined by each facility. For purposes of this test, curing at ambient temperature will take 24 days. To accelerate the curing for purposes of product acceptance, the following procedure may be followed: Cure at 190 to 210 degrees Fahrenheit for three hours (this is time at temperature and is therefore material thickness dependent), followed by 7 days at 65 degrees F minimum.

(d) Test Methods:

(1) The gage shall be capable of being calibrated. If no other calibration specification or requirement is identified elsewhere in this contract, then the gage shall be calibrated in accordance with ISO 10012.

(2) Scribe Tape Test. Shall be IAW ASTM D 3359 Method B, six (6) cut pattern.

(e) Acceptance Criteria:

(1) Film Thickness. All applicable surfaces shall have complete paint coverage. A minimum of 95% of the surfaces shall meet the minimum and maximum, cumulative dry film thickness requirements. Failure of this test shall result in rejection of the production lot that it represents.

(2) Scribe Tape Test (Adhesion). The removal of two or more complete squares of top coat, or top coat-primer-pretreatment combination constitutes failure and the production lot is rejected. Removal of overspray does not constitute test failure.

(f) CHEMICAL AGENT RESISTANT COATING (CARC) ON WOOD COMPONENTS.

<p>CONTINUATION SHEET</p>	<p>Reference No. of Document Being Continued</p> <p>PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p>Page109 of 169</p>
----------------------------------	--	-------------------------------------

Name of Offeror or Contractor:

(1) Wood shall be treated and painted IAW MIL-DTL-53072 section 3.3.4. After treatment, the wood shall provide a paintable surface as described by the paint-ability requirements of Spec TT-W-572, except that the wood species, treatment, and paint shall be the same as furnished for this contract.

(2) After demonstrating that the paint adhesion requirements are met, and Government inspection/acceptance of this item has occurred, any subsequent flaking and peeling of paint from the wood shall not be considered a defect unless the Government establishes that the flaking and/or peeling of the paint was caused by defective workmanship in the application of the paint or the preparation of the painted surface.

[End of Clause]

E-10

52.246-4028

INSPECTION AND ACCEPTANCE POINTS: ORIGIN

NOV/2005

(TACOM)

The Government's inspection and acceptance of the supplies offered under this contract/purchase order shall take place at ORIGIN. Offeror must specify below the exact name, address, and CAGE of the facility where supplies to be furnished under this contract/purchase order will be available for inspection/acceptance.

INSPECTION POINT:

(Name)

(CAGE)

(Address)

(City)

(State)

(Zip)

ACCEPTANCE POINT:

(Name)

(CAGE)

(Address)

(City)

(State)

(Zip)

[End of Clause]

E-11

52.246-4041

FIRST PRODUCTION VEHICLE ACCEPTANCE

APR/2000

(TACOM)

(a) First Production Vehicle Inspection (FPVI). At least 20 calendar days prior to submission of the First Production Vehicles for inspection, you shall notify the Administrative Contracting Officer, Procuring Contracting Officer, and the Product Quality Manager of the time and location of the inspection so we may witness and participate in the inspection. You shall make available to us any record of inspections and tests which have previously been conducted on the FPVI vehicles and their components.

(b) FPVI Report. You shall document the results of the FPVI test in your own format. The results of the FPVI test shall be in sufficient detail for separate formulation of conclusions by interested parties not witnessing the test/inspection. You shall address deficiencies discovered and corrective actions taken.

(c) FPVI Re-Inspection. If we reject the FPVI, you may be required at our option to repeat any or all of the FPVI. After notification of the additional inspection, you shall make any necessary changes, modifications, or repairs to the First Production Vehicles. We have the option to select another production vehicle for FPVI in lieu of the original FPV. Upon completion of additional inspection(s), you shall again document the test results.

(d) Vehicle Restoration. Upon completion of testing such as Shakedown Test, Product Verification Test and/or Follow-on Production Test, you shall restore these vehicles to a like new condition.

[End of Clause]

E-12 Certifications. All certifications provided by the contractor shall include appropriate supporting documentation such as, but not limited to: test data, materiel analysis, drawings, purchase orders, specifications, etc. In the event that particular certifications are not acceptable to the Government, the contractor shall conduct additional examinations and tests and/or provide additional documentation as required to verify conformance at no additional cost to the Government.

a. The contractor shall provide a new or updated certification whenever a change is made in the:

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page 110 of 169</p>
--	--	---

Name of Offeror or Contractor:

- (1) process used to produce a certified product.
- (2) legal requirement for a standard of a certified product.
- (3) supplier of a certified product.
- (4) event of a new contract/rebuy.

b. Subcontracting does not relieve the contractor from providing all the necessary supporting documentation for all certifications provided to the Government.

E-12.1 Process Certification. Process certifications shall include a written description of the process, the written instructions to those who conduct and assure the process with the title(s) of the individual(s) responsible for assuring the control of that process where it is manufactured into the product.

E-12.2 Material Certification. Material certifications shall include a copy of the material analysis. If the material is made by a subcontractor, a copy of the purchase order is also required.

E-12.3 Test Certification. Test certifications shall be prepared per the following information: drawing number; test/product specification title, number and edition; the grade or type for which the product was tested; the number of specimens/samples tested; the requirements; the actual results obtained; and copies of purchase orders for subcontracted products. Subcontracting does not relieve the contractor of providing the above information as part of the certification.

E-12.4 Compliance Certification. Compliance certifications shall include, as a minimum, a written description of how compliance was achieved.

E-13 Process Audits. The Government will conduct periodic process audits at the contractor's facilities to evaluate the effectiveness processes used in fabricating vehicles for delivery under this contract within his total quality system implemented for this contract. Additionally, the Government will participate in contractor conducted quality audits (quality system, product, and process) on his subcontractors and key suppliers.

E-14 Lot Size. For the purpose of this contract, a lot size shall be defined as two (2) items (whether 2 vehicle systems or 2 component parts). Inspection of the Medium Mine Protective Vehicle (MMPV) systems shall be 100 percent.

E-15 Welding and Non Destructive Testing of Armor and Structural Steel

Ferrous armor and structural steel with a yield strength greater than 80 KSI shall be welded IAW the provisions contained in AWS D1.1 (Current revision). All weld procedures shall be qualified to the provisions contained in AWS D1.1 and documented in the PQR format. As the filler metal for armor will typically not meet base material properties, the acceptance criteria for tensile testing of the qualification weldment shall be coordinated with the designated government representative.

The welding of steel less than 80 KSI yield strength shall be done to any AWS welding standard appropriate for the thickness and welding process selected. Documented welding procedures shall be available and qualified to the AWS standard selected for use.

All welders shall be qualified to the appropriate welding standard prior to any production welding. Qualification records shall be complete and meet all the requirements of the applicable weld code.

Non Destructive Testing. All welds shall be visually inspected to the applicable weld code by Certified Weld Inspectors (CWI). Personnel performing ultrasonic, radiographic, magnetic particle or dye penetrant inspection shall be trained and certified to NAS 410. All inspection results shall be documented. All welds on surfaces with a defined ballistic threat shall be inspected as follows. For lap joints, visual inspection only. All full penetration groove welds shall be subjected to ultrasonic or radiographic inspection unless the weldment involves a backing plate. Groove welds which have a backing plate or equivalent reinforcement shall be subject to visual inspection only. The acceptance criteria for ultrasonic inspection is contained in Table 6.3 of AWS D1.1. Only Class A and B discontinuities shall be evaluated. Acceptance criteria for radiographic inspection are contained in the TACOM weld code. All fillet welds in ballistically vulnerable areas subject to shear failure shall be magnetic particle inspected with the DC prod method or any approved NDT method that checks for subsurface quality. All transportation hold-down hardware weldments such as tie downs shall be magnetic particle inspected. No linear indications in excess of 3/32 inch are acceptable for magnetic particle inspection. Arc burns from improper prod contact shall be removed. The use of partial penetration welds on a ballistically vulnerable surface must be approved by the procuring activity. The contractor shall propose a nondestructive testing control plan comparable to the above requirements which must be submitted for approval to the designated government representative. Ultrasonic and radiographic inspection can be reduced to sampling once the welding process has been found to be in statistical control. The sampling plan shall be submitted for approval to the cognizant QAR.

E-16 CARC Paint-Pretreatment Requirements for Ferrous Armor, Steel and Aluminum Surfaces

(a) All ferrous armor plate (and structural steel equal to or greater than 0.187 inches thick that is in a hot rolled or rusty surface condition) shall be abrasive blasted to a 1.0 mil minimum surface profile prior to painting. The epoxy primer shall be applied within 4

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page 111 of 169</p>
--	--	---

Name of Offeror or Contractor:

hours of blasting. This period can be extended to 8 hr. provided the blasted material is protected in a low humidity environment and there is no visual surface oxidation. Material that no longer has the appearance of white metal after blasting shall receive a pretreatment prior to primer application.

(b) Ferrous metals less than 0.187 thickness and galvanized surfaces shall be cleaned and pretreated with a Type 1, microcrystalline zinc phosphate system per TT-C-490E. Ferrous armor can be zinc phosphated but in no case can this material be acid pickled prior to processing. Armor that has been severely cold formed/bent shall not be zinc phosphated. Hot rolled or rusty structural steel can be cleaned with mild acid cleaners such as citric or phosphoric rather than abrasive blasted prior to processing. Alternate pretreatment systems for ferrous substances must meet the performance tests specified in paragraphs 3.5.7, 3.5.8, 4.2.7, and 4.2.8 of TT-C-490E. Corrosion resistance tests on steel substrates will be conducted on a monthly basis (two test coupons) when solvent-borne primers are used and bi-monthly (two test coupons) when electrocoat primers are used. This test frequency shall begin once the process has been found to be in statistical control.

All TT-C-490E (Type I) zinc phosphate pretreatment systems must be documented and approved by the procuring activity prior to use. The procedure containing all the elements specified in paragraph 3.2 of TT-C-490E shall be available for review at the applicator's facility. The prime contractor shall notify the procuring activity no less than 45 days prior to start of pretreatment/painting that the procedure is available for review and approval. Qualification will consist of verification that the process with its controls can meet the performance requirements in the specification. Testing for qualification will be conducted at a government approved test laboratory.

Note: Zinc phosphate systems for galvanized surfaces require different controls than those for steel. Hot dipped galvanized surfaces are highly prone to chlorine/chloride contamination from the galvanizing flux process. This contaminant must be removed prior to pretreatment for the coating system to pass these performance tests. Test coupons for salt spray/ACT shall have a maximum primer dry film thickness of 1.5 mils. The test coupons must duplicate the production painting process as closely as possible. If production is force cured, test coupons shall be cured in an identical manner.

(c) Qualification and control of pretreatment systems for galvanized substrates shall be performed using Accelerated Corrosion Test protocol contained in GM 9540P rather than salt spray. This test shall be performed at three month intervals (two test coupons) to ensure that the process remains in control.

(d) Aluminum substrates require a chromate conversion coating per MIL-C-5541E (or alternate, see note below), If any other alternate pretreatment is considered, it must pass 120 cycles of GM9540P with a design of experiments test matrix approved by the procuring activity . After completion of the cyclic salt environment exposure, the panels shall be scraped as described above, and shall have no more than 0.5 mm paint loss (creep-back) from the scribe. In addition, there shall be no more than 5 blisters in the field with none larger than 1mm diameter. After completion of the 120 cycle corrosion resistance test evaluation, each test panel will be subjected to cross hatch tape test (ASTM D3359, minimum tape adhesion rating of 45 oz. per inch of width). The test pattern shall be 4 lines x 4 lines scribed to the metallic layer at 2mm intervals (approximate) and shall be done no closer than 12 mm from any panel edge or the scribe. The removal of two or more complete squares of primer shall constitute failure. Any alternate system must demonstrate its ability to pass both corrosion and adhesion tests on 5 consecutive days of production to be considered acceptable.

Note: The only alternative products which have demonstrated their ability to meet these requirements for 5000 and 6000 series aluminum alloys are Alodine 5200 and Alodine 5700. Documented process controls shall be established which comply with the manufacturer's technical bulletin. Spray-to-waste systems will require fewer process controls than an immersion process.

(e) The use of TT-C-490E Type III: Vinyl Wash Primer (DOD-P-15328) is prohibited due to its hexavalent chromium content and high VOC level. Bonderite 7400 (Henkel) can meet the performance requirements of TT-C-490 E, Type 1 and can be used as a wash primer replacement. The application and control process shall be documented. This product is subject to the same salt spray requirements as a zinc phosphated product. The number of process controls for this product is dependent upon its method of application. The specific controls shall be in agreement with the product manufacturer's technical bulletin to provide the level of performance required for zinc phosphated substrates. Spray-to-waste applications will require fewer process controls than an immersion process.

(f) Acceptance of production painted parts is contingent upon the painted surface meeting the dry film thickness and cross hatch adhesion requirements. When a surface has been abrasive blasted, the dry film thickness requirement of the primer applies over the top of the surface profile. The use of multiple head cutters for acceptance testing is prohibited. The spacing of cuts for the cross hatch adhesion test (4 x 4 cuts) shall be 3.0 to 3.5 mm to compensate for variations in total paint film thickness. The CARC painted surface shall be free of any blisters, pores or coverage voids.

[End of Clause]

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 112 of 169
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Name of Offeror or Contractor:

SECTION F - DELIVERIES OR PERFORMANCE

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
F-1	52.211-17	DELIVERY OF EXCESS QUANTITIES	SEP/1989
F-2	52.242-15	STOP-WORK ORDER	AUG/1989
F-3	52.242-17	GOVERNMENT DELAY OF WORK	APR/1984
F-4	52.247-29	F.O.B. ORIGIN	FEB/2006
F-5	52.247-34	F.O.B. DESTINATION	NOV/1991
F-6	52.247-48	F.O.B. DESTINATION--EVIDENCE OF SHIPMENT	FEB/1999
F-7	52.247-55	F.O.B. POINT FOR DELIVERY OF GOVERNMENT-FURNISHED PROPERTY	JUN/2003
F-8	52.247-59	F.O.B. ORIGIN--CARLOAD AND TRUCKLOAD SHIPMENTS	APR/1984
F-9	52.242-4457 (TACOM)	DELIVERY SCHEDULE FOR DELIVERY ORDERS	SEP/2006

(a) Offers that propose a delivery schedule that will not clearly fall within the applicable required delivery schedule specified below MAY BE CONSIDERED NONRESPONSIVE AND NOT ELIGIBLE FOR AWARD. If you believe that the delivery schedule or monthly maximum quantity is unrealistic, contact the buyer listed on the cover sheet of this solicitation at least 14 days prior to solicitation closing date.

(b) DEFINITIONS:

(1) DAYS means the number of days after the date of contract award when you must deliver the stated quantity (QTY) of supplies.

(2) DELIVERY is defined as follows:

FOB Origin - Contractor is required to deliver its shipment as provided in FAR 52.247-29(a)(1)-(4) by the time specified in the individual contract; or

FOB Destination - Contractor is required to deliver its shipment as provided in FAR 52.247-34(a)(1)-(2) by the time specified in the individual contract. The contractor must take into consideration the length of time necessary to deliver its shipment to the destination designated in the contract, to ensure that the item reaches its destination by the time reflected in the contract.

(c) The Government requires deliveries according to the following schedule on all orders:

(1) GOVERNMENT REQUIRED DELIVERY SCHEDULE:

- (i) If FAT is required, start deliveries 120 days after the delivery order date; or
- (ii) First Ordering Period--Contractor will deliver a maximum of 10 units every 30 days.
Second Ordering Period--Contractor will deliver a maximum of 15 units every 30 days.
Third Ordering Period through Eighth Ordering Period--Contractor will deliver a maximum of 22 units every 30 days.
- (iii) You can deliver more than the maximum number of units every thirty days at no additional cost to the government.

(2) GOVERNMENT ACCELERATED DELIVERY SCHEDULE:

- (i) During the Third through the Fifth Ordering Periods the contractor may be required to deliver a maximum of 35 units every 30 days.
- (ii) You can deliver more than the maximum number of units every thirty days at no additional cost to the Government.

(d) If the offeror does not propose an accelerated delivery schedule, the required delivery schedule above will apply. If you wish to propose an accelerated delivery schedule at no additional cost, fill in the appropriate information here:

(1) CONTRACTOR PROPOSED ACCELERATED DELIVERY SCHEDULE:

- (i) If FAT is required, deliveries will start ____ days after the delivery order date; or
 - (ii) If FAT is not required or FAT is waived, deliveries will start ____ days after delivery order date.
 - (iii) We will deliver a maximum of ____ units every thirty days.
- (e) You can accelerate delivery after contract award at no additional cost to the government.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 113 of 169
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Name of Offeror or Contractor:

[End of Clause]

F-10 52.211-16 VARIATION IN QUANTITY APR/1984

(a) A variation in the quantity of any item called for by this contract will not be accepted unless the variation has been caused by conditions of loading, shipping, or packing, or allowances in manufacturing processes, and then only to the extent, if any, specified in paragraph (b) below.

(b) The permissible variation shall be limited to:

 ZERO percent increase; and
 ZERO percent decrease.

(c) This increase or decrease shall apply to THE TOTAL CONTRACTUAL QUANTITY.

[End of Clause]

F-11 52.247-60 GUARANTEED SHIPPING CHARACTERISTICS DEC/1989

(a) The offeror is requested to complete subparagraph (a)(1) of this clause, for each part or component which is packed or packaged separately. This information will be used to determine transportation costs for evaluation purposes. If the offeror does not furnish sufficient data in subparagraph (a)(1) of this clause, to permit determination by the Government of the item shipping costs, evaluation will be based on the shipping characteristics submitted by the offeror whose offer produces the highest transportation costs or in the absence thereof, by the Contracting Officer's best estimate of the actual transportation costs. If the item shipping costs, based on the actual shipping characteristics, exceed the item shipping costs used for evaluation purposes, the Contractor agrees that the contract price shall be reduced by an amount equal to the difference between the transportation costs actually incurred, and the costs which would have been incurred if the evaluated shipping characteristics had been accurate.

(1) To be completed by the offeror:

- (i) Type of "Outer" container: Wood Box _____, Fiber Box _____, Barrel _____, Reel _____, Drum _____, Other (Specify) _____
- (ii) Shipping configuration: Knocked-down _____, Set-up _____, Nested _____, Other (specify) _____;
- (iii) Size of outer container: _____ inches (Length), x _____ inches (Width), x _____ inches (Height) = _____ Cubic FT;
- (iv) Number of items per outer container _____ Each;
- (v) Gross weight of outer container and contents _____ LBS
- (vi) Palletized/skidded _____ Yes _____ No;
- (vii) Number of outer containers per pallet/skid _____;
- (viii) Weight of empty pallet bottom/skid and sides _____ LBS;
- (ix) Size of pallet/skid and contents _____ LBS Cube _____;
- (x) Number of outer containers or pallets/skids per railcar _____ * --
Size of railcar _____
Type of railcar _____
- (xi) Number of outer containers or pallets/skids per trailer _____ *--
Size of trailer _____
Type of trailer _____

*Number of complete units (contract line item) to be shipped in carrier's equipment.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page114 of 169
Name of Offeror or Contractor:		

(2) To be completed by the Government after evaluation but before contract award:

- (i) Rate used in evaluation _____;
- (ii) Tender/Tariff _____;
- (iii) Item _____;

The guaranteed shipping characteristics requested in subparagraph (a)(1) of this clause do not establish actual transportation requirements, which are specified elsewhere in this solicitation. The guaranteed shipping characteristics will be used only for the purpose of evaluating offers and establishing any liability of the successful offeror for increased transportation costs resulting from actual shipping characteristics which differ from those used for evaluation in accordance with paragraph (a) of this clause.

[End of FAR Clause]

The following information is provided as guidance in filling out the above clause by paragraph. Note: Disregard asterisk (*) in the clause where it appears.

(a)(1)(i) Type of container (mandatory fill-in):

The type of container is defined as an overpack. This is an outer container usually made of steel, wood, or fiber designed to enclose and protect one or more less durable inner containers. When Other is selected you must also complete (a)(1)(ii) Shipping configuration.

(a)(1)(ii) Shipping configuration:

Complete this information when any one dimension of the item is reduced.

(a)(1)(iii) Size of container (mandatory fill-in):

Outer dimensions of the overpack or other described shipping configuration. Must be provided in inches. The cube shall be provided in cubic feet. The cube is defined as the volume of space occupied by the unit under consideration computed by multiplying overall exterior length, width, and height.

(a)(1)(iv) Number of items per container (mandatory fill-in):

The number of units of issue in the overpack or in the other described shipping configuration.

(a)(1)(v) Gross weight of container and contents (mandatory fill-in):

The combined mass of the overpack containing the packing material and the number of units of issue supplied in pounds.

(a)(1)(vi) Palletized/skidded:

Indicate Yes if overpack or other described shipping configuration is attached to pallet or skid to form a unit load for handling.

(a)(1)(vii) Number of containers per pallet/skid:

Only complete this if you answered Yes to (a)(1)(vi). Containers are the number of overpacks or other described shipping configurations attached to a pallet or skid base.

(a)(1)(viii) Weight of empty pallet bottom/skid and sides:

Only complete this if you answered Yes to (a)(1)(vi) or when the weight of the container and contents in (a)(1)(v) above does not include this weight.

(a)(1)(ix) Size of pallet/skid and contents:

Only complete this if you answered Yes to (a)(1)(vi). Indicate weight in pounds and cube in cubic feet of combined overpack or other described shipping configuration and attached pallet or skid. The cube is defined as the volume of space occupied by the unit under consideration computed by multiplying overall exterior length, width, and height.

(a)(1)(x) Number of containers or pallets/skids per railcar:

Only complete this if you have rail capability and the rail car may be fully utilized. Quantity of overpacks or other described shipping configurations that will fit in a fully utilized railcar. Specify length in feet and type (flat, box, gondola, etc.) of railcar.

(a)(1)(xi) Number of containers or pallets/skids per trailer (mandatory fill-in): Quantity of overpacks or other described shipping configurations that will fit in a fully utilized trailer. Specify length in feet and type (flatbed, van, etc.) of trailer. For import/export shipments in ISO/seavan containers indicate quantity of overpacks or other described shipping configurations fully utilizing the container. Specify length in feet of the ISO/seavan containers.

NOTE: "Fully Utilized" means filling to full visible capacity.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page115 of 169
Name of Offeror or Contractor:		

F-12 52.247-65 F.O.B. ORIGIN--PREPAID FREIGHT--SMALL PACKAGE SHIPMENTS JAN/1991

(a) When authorized by the Contracting Officer, f.o.b. origin freight shipments which do not have a security classification shall move on prepaid commercial bills of lading or other shipping documents to domestic destinations, including air and water terminals. Weight of individual shipments shall be governed by carrier restrictions but shall not exceed 150 pounds by any form of commercial air or 1,000 pounds by other commercial carriers. The Government will reimburse the Contractor for reasonable freight charges.

(b) The Contractor shall annotate the commercial bill of lading as required by the clause of this contract entitled Commercial Bill of Lading Notations.

(c) The Contractor shall consolidate prepaid shipments in accordance with procedures established by the cognizant transportation office. The Contractor is authorized to combine Government prepaid shipments with the Contractor's commercial shipments for delivery to one or more consignees and the Government will reimburse its pro rata share of the total freight costs. The Contractor shall provide a copy of the commercial bill of lading promptly to each consignee. Quantities shall not be divided into mailable lots for the purpose of avoiding movement by other modes of transportation.

(d) Transportation charges will be billed as a separate item on the invoice for each shipment made. A copy of the pertinent bill of lading, shipment receipt, or freight bill shall accompany the invoice unless otherwise specified in the contract.

(e) Loss and damage claims will be processed by the Government.

[End of Clause]

F-13 52.247-4005 SHIPMENT OF SUPPLIES AND DETENTION OF CARRIERS EQUIPMENT AUG/2003
(TACOM)

(a) Unless otherwise directed, shipment items under this contract in following order of priority:

- (1) Government/Commercial Bill(s) of Lading or US Postal Services;
- (2) Prepaid Commercial Bill(s) of Lading with transportation charges entered as a separate item on the invoice; or
- (3) As otherwise instructed when the contract prohibits use of Government funds for transportation costs.

(b) The Contractor will request:

- (1) Government Bills of Lading and

(2) Routing and other instructions, including Defense Transportation Regulation (DTR), DOD Regulation 4500.9-R-Part 2 Cargo Movement, as to the methods of shipment to be followed by the Contractor, or

(c) The Contractor and subcontractor(s) must allow prompt and convenient access of carrier's equipment to loading docks or platforms where the contract items supplies will be loaded. Any charges for detention of carrier's equipment shall be for the account of the Contractor, except when the detention is required or caused by the Government.

[End of Clause]

F-14 52.247-4010 TRANSPORTATION DATA FOR FOB ORIGIN OFFERS FEB/1994
(TACOM)

(a) Provide the following information for us to use in selecting the most favorable mode of shipment. We'll also use this information in our evaluation of transportation costs.

Offeror represents that:

- (1) Facilities for shipping by rail

- [] are
[] are not

available at the F.O.B. point(s) stated in this solicitation.

Name of Offeror or Contractor:

(2) If rail facilities are not available at the F.O.B. point(s), the name and location of the nearest team track is:

_____	_____
(NAME)	(LOCATION)

(3) Facilities for shipping by water

[] are
[] are not

available at the F.O.B. point(s) stated in this solicitation.

(4) Facilities for shipping by motor

[] are
[] are not

available at the F.O.B. point(s) stated in this solicitation.

(5) If there is a Contractor Reimbursable Loading Charge and you didn't include it in the offered unit price in Section B, please indicate it below, per unit:

RAIL:_____/Unit MOTOR:_____/Unit WATER:_____/Unit

CAUTION: GIVE THE COST OF REIMBURSABLE LOADING CHARGE (NOT ALREADY IN THE OFFERED UNIT PRICE) ON A PER UNIT BASIS. THE UNIT OF MEASURE IS AS INDICATED ON THE SCHEDULE PAGE, SECTION B, UNDER THE UNIT COLUMN.

(b) We will consider any charge listed above in the overall transportation evaluation of this solicitation. Unless you fill-in the above information for loading charges, we will consider all costs associated with loading to be included in the item price offered in Section B. These costs include: (i) loading, (ii) blocking, (iii) bracing, (iv) drayage, (v) switching, or (vi) any other service necessary to effect delivery F.O.B. carrier's equipment you've indicated as available and we specify at time of shipment.

(c) If rail facilities aren't available at the designated F.O.B. point(s), rail won't be used unless directed by the Administrative Contracting Officer (ACO). If the ACO tells you rail facilities will be used, we'll adjust the contract price by adding the loading charge filled in above for transportation to the nearest rail facility.

(d) IF YOU DO NOT FILL IN AN ADDITIONAL CHARGE FOR RAIL SHIPMENT ABOVE, YOU AGREE THAT THE CONTRACT PRICE ALREADY INCLUDES ALL CHARGES FOR SUCH SHIPMENTS. THEREFORE, SHIPMENT BY RAIL WILL NOT COST US ANY MORE.

[End of Clause]

Name of Offeror or Contractor:

SECTION G - CONTRACT ADMINISTRATION DATA

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
G-1	252.232-7003	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS	JAN/2004
G-2	252.204-7006	BILLING INSTRUCTIONS	OCT/2005

When submitting a request for payment, the Contractor shall--

- (a) Identify the contract line item(s) on the payment request that reasonably reflect contract work performance; and
- (b) Separately identify a payment amount for each contract line item included in the payment request.

[End of Clause]

G-3	52.204-4011 (TACOM)	PAYMENT INSTRUCTIONS FOR THE DEFENSE FINANCE AND ACCOUNTING SERVICE (DFAS)	OCT/2005
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In accordance with DFARS PGI 204.7108, the contract shall be paid in accordance with DFARS PGI 204.7108(d)(5), line item specific by cancellation date.

[End of Clause]

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 118 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

SECTION H - SPECIAL CONTRACT REQUIREMENTS

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
H-1	252.203-7002	DISPLAY OF DOD HOTLINE POSTER	DEC/1991
H-2	252.204-7000	DISCLOSURE OF INFORMATION	DEC/1991
H-3	252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS	DEC/1991
H-4	252.211-7000	ACQUISITION STREAMLINING	DEC/1991
H-5	252.225-7002	QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS	APR/2003
H-6	252.225-7004	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES	JUN/2005
H-7	252.225-7005	IDENTIFICATION OF EXPENDITURES IN THE UNITED STATES	JUN/2005
H-8	252.225-7006	QUARTERLY REPORTING OF ACTUAL CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES	APR/2005
H-9	252.225-7013	DUTY-FREE ENTRY	JUN/2005
H-10	252.225-7021	TRADE AGREEMENTS	FEB/2006
H-11	252.225-7033	WAIVER OF UNITED KINGDOM LEVIES	APR/2003
H-12	252.226-7001	UTILIZATION OF INDIAN ORGANIZATIONS, INDIAN-OWNED ECONOMIC ENTERPRISES, AND NATIVE HAWAIIAN SMALL BUSINESS CONCERNS	SEP/2004
H-13	252.228-7003	CAPTURE AND DETENTION	DEC/1991
H-14	252.231-7000	SUPPLEMENTAL COST PRINCIPLES	DEC/1991
H-15	252.246-7000	MATERIAL INSPECTION AND RECEIVING REPORT	MAR/2003
H-16	252.246-7001	WARRANTY OF DATA	DEC/1991
H-17	252.249-7002	NOTIFICATION OF ANTICIPATED CONTRACT TERMINATION OR REDUCTION	DEC/1996
H-18	52.204-4005	REQUIRED USE OF ELECTRONIC CONTRACTING	SEP/2004

(a) All contract awards, modifications and delivery orders issued by TACOM will be issued electronically. The contractor has the option to receive these actions either via the Worldwide Web (WWW) or Electronic Data Interchange (EDI). Many provisions/clauses that appear "by reference", meaning only clause titles and regulation site are listed; their full texts can be found at the website <http://farsite.hill.af.mil/>

(b) In order to be eligible to receive an award under this solicitation, the successful offeror must be registered with the Department of Defense (DOD) Central Contractor Registration (CCR). The CCR registration process may be done electronically at the World Wide Web (WWW) site: <http://www.ccr.gov/>. (In order to be registered to use EDI, you must use the long form for registration. Certification information, including information on the EDI 838 TPP, must be furnished to the Contracting Officer within 60 calendar days after contract award to complete networking requirements within the Government.)

(c) Worldwide Web Distribution. The contractor will receive an electronic Notice of the Award, Modification, or Delivery Order via e-mail. If you choose the WWW option, you must download the file from the appropriate TACOM webpage:

Warren: <http://contracting.tacom.army.mil/awd.htm>
Rock Island: <https://aais.ria.army.mil/AAIS/AWDINFO/index.htm>
Picatinny: <http://procnnet.pica.army.mil/dbi/DynCBD/award.cfm>
Red River Army Depot: <http://www.redriver.army.mil/contractingframes/RecentAwards.DPD.cfm>
Anniston Army Depot: <http://www.anadprocnnet.army.mil/>

(d) Electronic Data Interchange. If you choose to receive contract awards, modifications and delivery orders through EDI, they will be delivered electronically via the Federal Acquisition Network (FACNET). Federal Standard Version 3050 of Standard X12 from the American National Standards Institute (ANSI) will be used as the format for these electronic transactions.

(1) You must complete the EDI 838 Trading Partner Profile, and must agree (i) to subcontract with a DoD certified VAN or Value Added Service (VAS) provider, or (ii) to become DoD certified as a Value Added Network (VAN). The EDI 838 Training Partner Profile is contained in the basic CCR registration form and includes portions of the registration form which are titled "Optional".

(2) You must select a VAN from the official DoD approved list. DoD Certified VANs are listed at <http://www.acq.osd.mil/dpap/ebiz/VANs.htm>. If your VAN is later removed from the official list, or if you voluntarily drop your initially selected VAN, then you must switch to a VAN that remains on the official DoD approved list. You must maintain an active account on a DoD approved VAN for the entire duration of the contract, beginning no later than the 60th day after award.

(e) Unless otherwise specified elsewhere in the contract, all data items you are required to provide under this contract must be submitted electronically. Please go to the following webpage for detailed information about submitting your offer electronically: <http://contracting.tacom.army.mil/ebidnotice.htm>

(f) Additional information can be obtained by sending a message to: acqcenweb@tacom.army.mil or by calling (586) 574-7059.

[End of Clause]

Name of Offeror or Contractor:

H-19 52.246-4026 LOCAL ADDRESSES FOR DD FORM 250 AND WAWF RECEIVING REPORTS
(TACOM)

SEP/2006

(a) The Contractor may use either the Material Inspection and Receiving Report (DD 250) or Wide Area Workflow (WAWF) to process receiving reports for inspection, acceptance, and payment. Use only one method per contract; not both.

(b) If you are using the Material Inspection and Receiving Report (DD 250), use one of the following methods to send each DD 250 pertaining to this contract to us:

(1) Our first preference is for you to use electronic mail (e-mail), using the following e-mail address: DD250@tacom.army.mil

(2) Our second preference is for you to use data facsimile (datafax) transmission, using this fax number:

(586) 574-7788 and use "DD250 mailbox" in the "to:" block of your fax cover or header sheet.

In either method, do not mix DD250s from more than one contract in a single transmission. That is, you may submit multiple DD250s in a single transmission, but they must all be against the same contract. These copies meet the requirements for the Purchasing Office copy and the Army Inventory Control Manager copy listed in tables 1 and 2 of DFARS Appendix F. The DD250 form may be found, in three different formats, on the World Wide Web at <http://www.dtic.mil/whs/directives/infomgt/forms/forminfo/forminfo2126.html>

(c) If you are using Wide Area Workflow (WAWF) instead of DD 250s, we may require copies of the WAWF Receiving Report, Bills of Lading, or other documentation to resolve delinquencies, payment issues, or other administrative issues. If this documentation is requested, use the same email address or fax number shown in paragraph (b) above to submit the information. No copies of the WAWF Receiving Report are required unless specifically requested by the PCO, buyer, or other appropriate government official.

[End of Clause]

SPECIAL CONTRACT REQUIREMENTS

H-20 RESERVED

H-21 AUTHORIZED DEVIATIONS IN CLAUSES

H-21.1 The use in this contract of any Federal Acquisition Regulations (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the date of the clause.

H-21.2 The use in this contract of any DOD Federal Acquisition Regulations (48 CFR 2) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the name of the clause.

H-22 NOTIFICATION OF INCONSISTENCIES

Should the contractor discover or suspect any inconsistencies among the provisions, requirements, specifications, or documents of this contract, the Contractor shall immediately notify the Procuring Contracting Officer (PCO) in writing.

H-23 ESSENTIALITY AND MATERIALITY OF DELIVERY SCHEDULE

For purpose of the payment clause of this contract, it is agreed and understood that the unit delivery schedule and the data delivery schedule are a material requirement of this contract. The Government may reduce or suspend payments in the event the contractor becomes delinquent in deliveries or where it is evident that delivery will not be timely because of contractor failure to make progress.

H-24 DATA RESPONSIBILITY

Recognizing that a visual review by the Government of data delivered or released under this contract may be insufficient to prove out their adequacy or intended use, the Contractor shall certify prior to contract completion, that to the best of its knowledge and belief all such data are complete and conform to the data requirements of this contract. Failure of related data made under the terms of this contract to meet the requirements thereof shall be cause for rejection as unacceptable. Prior to final acceptance of related data by the Government, the Contractor shall submit evidence that the data rejected as unacceptable have been corrected. Notwithstanding such final acceptance, the Government may require the Contractor to remedy by correction or replacement, as directed by the Procuring Contracting Officer (PCO), data deficiencies (a) at any time during the performance of this contract, and (b) for a period of eight years

<p>CONTINUATION SHEET</p>	<p>Reference No. of Document Being Continued</p> <p>PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p>Page120 of 169</p>
----------------------------------	---	-------------------------------------

Name of Offeror or Contractor:

thereafter, in accordance with the Special Provision of the contract entitled "Warranty of Data".

H-25 IMPACT OF DATA DELIVERIES ON HARDWARE

H-25.1 In the event that the scheduled data requirements identified under the contract are not delivered in the quantities and within the timeframes specified or if the data fails to meet the requirements cited in the contract, the Government shall have the right to refuse to inspect and accept any MMPV at no cost to the Government until the deficient delivery of said data requirements has been corrected by the Contractor and approved by the Government.

H-25.2 In addition, the Government reserves the right to unilaterally extend the delivery schedule of the MMPV at no cost to the Government by a period of time equal to the delay in delivery of acceptable contract data requirements, and shall further have the right to refuse to inspect and accept MMPV units in advance of the extended delivery schedule.

H-25.3 If the Contractor is receiving progress payments from the Government, the Government shall have the right to suspend the progress payments until such time that the Contractor proves to the satisfaction of the Government that its plan of corrective action to remedy the deficiencies and to meet a revised delivery schedule is achievable and therefore acceptable. If the Contractor cannot prove to the satisfaction of the Government that its plan of corrective action and revised delivery schedule are achievable, the progress payments shall remain suspended until the contract data requirements in question are delivered and accepted by the Government.

H-25.4 The Contractor shall have the full responsibility for maintenance and storage of all MMPV at no cost to the Government should the Procuring Contracting Officer invoke this clause.

H-26 REPRESENTATION, CERTIFICATIONS, AND OTHER STATEMENT OF OFFEROR

The Section K entitled "Representations, Certifications, and Other Statement of Offeror" submitted by the Contractor in response to this procurement, is hereby incorporated into this contract by reference. A copy of this document (Section K) is in the possession of both parties to the contract.

H-27 Ordering Year

For purpose of defining ordering year the first ordering year begins with the date of award of this contract. The remaining ordering years and the option years commence on the anniversary date of the initial contract award.

H-28 Contractor Responsibility for AR 700-142 Material Release Support.

H-28.1 The Contractor understands that TACOM must meet the requirements of AR 700-142 and obtain formal Material Release prior to introducing a new item for use by active Army units, and that the end item required hereunder qualifies as a new item. In addition to the actual test items provided by the contractor to demonstrate operational performance, there are significant information requirements as called out in this contract that are needed to support AR 700-142 Material Release. The Contractor understands the relationship between the information requirements of the contract and the requirements for material release. A significant, critical part of the support of the material release is based on the data and information provided under this contract.

H-28.2 The Contractor understands he plays a crucial role in successful material release by providing accurate and timely data and information allowing TACOM to prepare a material release package that will satisfy the detailed requirements of AR 700-142. The Contractor agrees that the Government has allowed sufficient time in the contract delivery schedule for the preparation and acceptance of the data and documents required to obtain a full material release prior to fielding the equipment.

H-28.3 The Contractor agrees and understands that his failure to deliver accurate data as required by the contract in accordance with the contract schedule causes the Army significant harm, both operationally and financially. Failure to provide the needed capability damages the Army's ability to perform its mission, and causes financial loss because of disrupted training schedules and storage costs due to inability to field.

H-28.4 The Contractor is hereby advised that failure to deliver accurate data as required by the contract in accordance with the contract schedule that is necessary for the material release process may be cause for the Government to invoke the rights and remedies in above paragraph H.25 Impact of Data Deliverables on Hardware, including refusal of acceptance of hardware end items required by this contract. The Government will assume no liability for any costs associated with such refusal. Acceptance of hardware end items may not proceed until the contractor complies with all data requirements under the contract necessary to complete a full AR 700-142 Material Release. Furthermore, any contractually authorized or other delay in delivery of data and information will be accompanied by a corresponding delay, at the Government's option, in delivery of hardware items, such that the interval between the delivery of data and information and the hardware end item is maintained as originally written.

H-29 CONTRACT DATA REQUIREMENTS LIST

H-29.1 The Contractor shall produce and deliver the corresponding data requirements as set forth in Section J on the Contract Data Requirements Lists (CDRL) DD Form 1423 of this contract.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315MOD/AMD	Page121 of 169
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Name of Offeror or Contractor:

H-30 GOVERNMENT PROPERTY, MATERIAL and EQUIPMENT

H-30.1 To assist the contractor in performance of the contract, the Government shall provide the following property or material or equipment. The Government reserves the right to bulk deliver any item. The Government will deliver all government items in sufficient time to ensure that the delivery schedules established under this contract are not adversely impacted.

SINGGARS Radio Set, AN/VRC-88A (w/RT1523 C/U) w/Antenna Vehicular AS-3684/VRC
 FBCB2 with BFT
 CREW2 / ECM / DUKE
 VIC-03
 Current Army TMDE (SPORT or MSD)
 Remote Weapons Station

H-31 GOVERNMENT RIGHT TO FURNISH PROPERTY, MATERIAL and/or EQUIPMENT

(a) The Government shall furnish in a timely manner the items listed in Paragraph H.30.1 of the contract to support the MMPV(s). In addition to the item(s) listed in the paragraph the Government reserves the right to furnish to the Contractor other items or to increase the quantities specified in Paragraph H.30.1.

(b) If the Government exercises it right to furnish additional items or increase the quantity specified in Paragraph H-30.1 the Contractor shall promptly take such action as the Contracting Officer may direct with respect to such additional property, material, or equipment. In the event the Government exercises it right under this paragraph, the parties will agree to equitably adjust the contract price and/or delivery schedule or performance dates in accordance with the procedures provided for in the "Changes" clause of this contract. The Contractor shall submit either a proposal for equitable adjustment or rationale for no equitable adjustment within thirty (30) days following the Contracting Officer's notice of change. Failure to agree to an equitable adjustment shall be a dispute concerning a question of fact within the meaning of the "Disputes" clause of this contract.

(c) All items furnished pursuant to this paragraph shall be subject to the provision of the "Government Property" clause(s) of the contract.

H-32 Requirement For Warranty

The contractor shall provide its standard commercial warranty with all applicable pass through warranties. The warranty will be incorporated in the contract at Attachment X See Warranty TB-Attachment X.

H-33 Options for Three additional years of Performance (CLINS 6001AA- 8001AN)

The Government may add ordering periods beyond the five year period, in one year increments. Upon exercise of each option, the contractor shall provide an additional quantity of vehicles, Vehicle Hand-off, Basic Issue Items (BII), Initial Service Package (ISP), Authorized Stock List (ASL), Prescribed Load List (PLL), NET Operator Training, NET Maintainer Training, Contractor Technical Assistance- CONUS, Contractor Technical Assistance -OCONUS, and Contractor Technical Assistance-OCONUS Contingency at the firm fixed prices set forth in Section B. The contractor shall continue, whether the Government issues orders in any particular ordering period or not. Lack of orders in any option year does not eliminate the Government's right to exercise any subsequent option. The total ordering period duration of this contract including exercise of any options under this clause, shall not exceed eight years.

H-34 INTERNET PROTOCOL VERSION 6 (IPV6)

The Contractor warrants that each item delivered under this contract shall be able to accurately transmit, receive, process, and function correctly using the Internet Protocol Version 6 (IPv6). Specifically, the Contractor warrants that: 1) each item delivered complies with the current Joint Technical Architecture (JTA) developed IPv6 standards profile; 2) each item delivered maintains interoperability with IPv4 (specifically, is able to operate on/coexist on a network supporting IPv4 only, IPv6 only, or a hybrid of IPv4 and IPv6) and 3) each item delivered is supported by the Contractors IPv6 technical support. Additionally, as IPv6 evolves, the Contractor commits to upgrading or or providing an appropriate migration path for each item delivered. If the contract requires that specific listed products must perform as a system, then the above warranty shall apply to those listed products as a system. The duration of this warranty and the remedies available to the Government for breach of any general warranty provisions of this contract, provided that notwithstanding any provision to the contrary in such warranty provision(s), the remedies available to the Government under this warranty shall include repair or replacement of any product whose non-compliance is discovered and make known to the Contractor in writing within one year after acceptance. Nothing in this warranty shall be construed to limit any rights or remedies the Government may otherwise have under this contract with respect to defects other than IPv6 performance.

H-35 LOW RATE INITIAL PRODUCTION

CONTINUATION SHEET	Reference No. of Document Being Continued		Page122 of 169
	PIIN/SIIN W56HZV-07-R-0315	MOD/AMD	
Name of Offeror or Contractor:			

In accordance with FAR 52.209-4, First Article Approval--Government Testing [Alternate I (JAN 1997) and Alternate II (SEP 1989)], the Contractor will be authorized to begin producing Low Rate Initial Production (LRIP) quantities upon issuance of a delivery order at the time of the basic contract award. However, the contractor is authorized to build only the quantity of vehicles on order. The Government may place orders for additional LRIP quantity vehicles upon successful completion of Test & Evaluation or sooner as applicable and directed by the PCO. All LRIP units produced prior to Materiel Release shall be stored in a secure area at no additional cost to the Government.

H-36 ZONES FOR VEHICLE HAND-OFF, OPERATOR TRAINING, MAINTAINER TRAINING,VEHICLES, ASL AND PLL

(a) The following four (4) zones are established for pricing Vehicle Hand-Off (Clins 1001AB-8001AB), Operator Training (Clins 1001AH-8001AH), and Maintainer Training (Clins 1001AJ-8001AJ).

Zone 1: Connecticut, Delaware, Florida, Georgia, Indiana, Kentucky, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia, Washington, D.C. and West Virginia

Zone 2: Alabama, Arkansas, Illinois, Iowa, Kansas, Louisiana, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Tennessee, Texas, and Wisconsin

Zone 3: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washinton and Wyoming

Zone 4: OCONUS

(b) Zones 1-3 shall be used for proposal preparation as stated in M.11.2.

*** END OF NARRATIVE H 0001 ***

CONTINUATION SHEET	Reference No. of Document Being Continued		Page123 of 169
	PIIN/SIIN W56HZV-07-R-0315	MOD/AMD	

Name of Offeror or Contractor:

SECTION I - CONTRACT CLAUSES

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://farsite.hill.af.mil/>

[End of Clause]

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
I-1	52.202-1	DEFINITIONS	JUL/2004
I-2	52.203-3	GRATUITIES	APR/1984
I-3	52.203-5	COVENANT AGAINST CONTINGENT FEES	APR/1984
I-4	52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	SEP/2006
I-5	52.203-7	ANTI-KICKBACK PROCEDURES	JUL/1995
I-6	52.203-8	CANCELLATION, RESCISSION AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	JAN/1997
I-7	52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	JAN/1997
I-8	52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	SEP/2005
I-9	52.204-2	SECURITY REQUIREMENTS	AUG/1996
I-10	52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER	AUG/2000
I-11	52.208-9	CONTRACTOR USE OF MANDATORY SOURCES OF SUPPLY OR SERVICES	JUL/2004
I-12	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	SEP/2006
I-13	52.211-5	MATERIAL REQUIREMENTS	AUG/2000
I-14	52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS	SEP/1990
I-15	52.215-2	AUDIT AND RECORDS - NEGOTIATIONS	JUN/1999
I-16	52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT	OCT/1997
I-17	52.215-11	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA--MODIFICATIONS	OCT/1997
I-18	52.215-13	SUBCONTRACTOR COST OR PRICING DATA -- MODIFICATIONS	OCT/1997
I-19	52.215-14	INTEGRITY OF UNIT PRICES (ALTERNATE I, (OCT 1997))	OCT/1997
I-20	52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	MAY/2004
I-21	52.219-9	SMALL BUSINESS SUBCONTRACTING PLAN	SEP/2006
I-22	52.219-16	LIQUIDATED DAMAGES - SUBCONTRACTING PLAN	JAN/1999
I-23	52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES	FEB/1997
I-24	52.222-19	CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES	JAN/2006
I-25	52.222-20	WALSH-HEALEY PUBLIC CONTRACTS ACT	DEC/1996
I-26	52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB/1999
I-27	52.222-26	EQUAL OPPORTUNITY	APR/2002
I-28	52.222-35	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	SEP/2006
I-29	52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	JUN/1998
I-30	52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	SEP/2006
I-31	52.222-50	COMBATING TRAFFICING IN PERSONS	APR/2006
I-32	52.223-3	HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA	JAN/1997
I-33	52.223-6	DRUG FREE WORKPLACE	MAY/2001
I-34	52.225-8	DUTY-FREE ENTRY	FEB/2000
I-35	52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	FEB/2006
I-36	52.227-1	AUTHORIZATION AND CONSENT	JUL/1995
I-37	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	AUG/1996
I-38	52.227-3	PATENT INDEMNITY	APR/1984
I-39	52.228-3	WORKERS' COMPENSATION INSURANCE (DEFENSE BASE ACT)	APR/1984
I-40	52.228-4	WORKERS' COMPENSATION AND WAR-HAZARD INSURANCE OVERSEAS	APR/1984
I-41	52.229-3	FEDERAL, STATE, AND LOCAL TAXES	APR/2003
I-42	52.230-2	COST ACCOUNTING STANDARDS	APR/1998
I-43	52.230-6	ADMINISTRATION OF COST ACCOUNTING STANDARDS	APR/2005
I-44	52.232-1	PAYMENTS	APR/1984
I-45	52.232-8	DISCOUNTS FOR PROMPT PAYMENT	FEB/2002
I-46	52.232-9	LIMITATION ON WITHHOLDING OF PAYMENTS	APR/1984
I-47	52.232-11	EXTRAS	APR/1984
I-48	52.232-16	PROGRESS PAYMENTS (Alternate I dated March 2000) (This clause only applies to small businesses.)	APR/2003
I-49	52.232-17	INTEREST	JUN/1996
I-50	52.232-25	PROMPT PAYMENT	OCT/2003

CONTINUATION SHEET		Reference No. of Document Being Continued	Page124 of 169
Name of Offeror or Contractor:		PIIN/SIIN W56HZV-07-R-0315	MOD/AMD
	Regulatory Cite	Title	Date
I-51	52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER--CENTRAL CONTRACTOR REGISTRATION	OCT/2003
I-52	52.232-23 (ALT 1)	ASSIGNMENT OF CLAIMS (Alternate I version dated April 1984)	JAN/1986
I-53	52.233-1	DISPUTES	JUL/2002
I-54	52.233-3	PROTEST AFTER AWARD	AUG/1996
I-55	52.233-4	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM	OCT/2004
I-56	52.242-13	BANKRUPTCY	JUL/1995
I-57	52.243-1	CHANGES--FIXED-PRICE	AUG/1987
I-58	52.243-7	NOTIFICATION OF CHANGES	APR/1984
I-59	52.244-2	SUBCONTRACTS	AUG/1998
I-60	52.244-5	COMPETITION IN SUBCONTRACTING	DEC/1996
I-61	52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	SEP/2006
I-62	52.245-2	GOVERNMENT PROPERTY (FIXED-PRICE CONTRACTS) (Alternate I dated April 1984)	MAY/2004
I-63	52.245-4	GOVERNMENT-FURNISHED PROPERTY (SHORT FORM)	JUN/2003
I-64	52.245-9	USE AND CHARGES	AUG/2005
I-65	52.246-24	LIMITATION OF LIABILITY--HIGH-VALUE ITEMS	FEB/1997
I-66	52.246-25	LIMITATION OF LIABILITY--SERVICES	FEB/1997
I-67	52.247-1	COMMERCIAL BILL OF LADING NOTATIONS	FEB/2006
I-68	52.247-63	PREFERENCE FOR U.S.-FLAG AIR CARRIERS	JUN/2003
I-69	52.247-68	REPORT OF SHIPMENT (REPSHIP)	FEB/2006
I-70	52.248-1	VALUE ENGINEERING	FEB/2000
I-71	52.249-2	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE)	MAY/2004
I-72	52.249-8	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)	APR/1984
I-73	52.253-1	COMPUTER GENERATED FORMS	JAN/1991
I-74	252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE CONTRACT-RELATED FELONIES	DEC/2004
I-75	252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT	APR/1992
I-76	252.204-7005	ORAL ATTESTATION OF SECURITY RESPONSIBILITIES	NOV/2001
I-77	252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY per DoD interim rule, Federal Register 27 Mar 98	MAR/1998
I-78	252.211-7005	SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS	NOV/2005
I-79	252.215-7000	PRICING ADJUSTMENTS	DEC/1991
I-80	252.219-7003	SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (DOD CONTRACTS)	APR/1996
I-81	252.223-7004	DRUG-FREE WORK FORCE	SEP/1988
I-82	252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES	JUN/2004
I-83	252.225-7014	PREFERENCE FOR DOMESTIC SPECIALTY METALS (Alternate I dated April 2003)	JUN/2005
I-84	252.225-7015	RESTRICTION ON ACQUISITION OF HAND OR MEASURING TOOLS	JUN/2005
I-85	252.225-7016	RESTRICTION ON ACQUISITION OF BALL AND ROLLER BEARINGS	MAR/2006
I-86	252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL	JUN/2005
I-87	252.225-7041	CORRESPONDENCE IN ENGLISH	JUN/1997
I-88	252.225-7042	AUTHORIZATION TO PERFORM	APR/2003
I-89	252.227-7013	RIGHTS IN TECHNICAL DATA --NONCOMMERCIAL ITEMS	NOV/1995
I-90	252.227-7016	RIGHTS IN BID OR PROPOSAL INFORMATION	JUN/1995
I-91	252.227-7020	RIGHTS IN SPECIAL WORKS	JUN/1995
I-92	252.227-7030	TECHNICAL DATA--WITHHOLDING OF PAYMENT	MAR/2000
I-93	252.227-7037	VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA	SEP/1999
I-94	252.232-7004	DOD PROGRESS PAYMENT RATES	OCT/2001
I-95	252.232-7010	LEVIES ON CONTRACT PAYMENTS	SEP/2005
I-96	252.242-7003	APPLICATION FOR U.S. GOVERNMENT SHIPPING DOCUMENTATION/INSTRUCTIONS	DEC/1991
I-97	252.243-7001	PRICING OF CONTRACT MODIFICATIONS	DEC/1991
I-98	252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT	MAR/1998
I-99	252.244-7000	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (DoD CONTRACTS)	NOV/2005
I-100	252.245-7001	REPORTS OF GOVERNMENT PROPERTY	MAY/1994
I-101	252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA	MAY/2002
I-102	52.216-18	ORDERING	OCT/1995

<p>CONTINUATION SHEET</p>	<p>Reference No. of Document Being Continued</p> <p>PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p>Page125 of 169</p>
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Name of Offeror or Contractor:

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from the Date of Contract Award through eight years, six months (inclusive of options).

(b) All delivery orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered issued when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

[End of Clause]

I-103 52.216-19 ORDER LIMITATIONS OCT/1995

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than one, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor--

- (1) Any order for a single item in excess of 264 per year for the first and second year of the contract;
Any order for a single item in excess of 420 per year for the third-fifth year of the contract;
Any order for a single item in excess of 420 per year for option years six-eight
- (2) Any order for a combination of items in excess of 264 per year for the first and second year of the contract;
Any order for a combination of items in excess of 420 per year for the third-fifth year of the contract;
Any order for a combination of items in excess of 420 per year for option years six-eight

3-; or

(3) A series of orders from the same ordering office within 30 days that together call for quantities exceeding the limitation in subparagraph (1) or (2) of this section.

(c) If this is a requirements contract (i.e., includes the REQUIREMENTS clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 10 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

[End of Clause]

I-104 52.216-22 INDEFINITE QUANTITY OCT/1995

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the ORDERING clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the maximum. The Government shall order at least the quantity of supplies or services designated in the Schedule as the minimum.

(c) Except for any limitations on quantities in the ORDER LIMITATIONS clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed by the Contractor within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after eight years and six months after award (inclusive of options).

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page126 of 169
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Name of Offeror or Contractor:

[End of Clause]

I-105 52.223-7 NOTICE OF RADIOACTIVE MATERIALS JAN/1997

(a) The Contractor shall notify the Contracting Officer or designee, in writing 60 days prior to the delivery of, or prior to completion of any servicing required by this contract of, items containing either (1) radioactive material requiring specific licensing under the regulations issued pursuant to the Atomic Energy Act of 1954, as amended, as set forth in Title 10 of the Code of Federal Regulations, in effect on the date of this contract, or (2) other radioactive material not requiring specific licensing in which the specific activity is greater than 0.002 microcuries per gram or the activity per item equals or exceeds 0.01 microcuries. Such notice shall specify the part or parts of the items which contain radioactive materials, a description of the materials, the name and activity of the isotope, the manufacturer of the materials, and any other information known to the Contractor which will put users of the items on notice as to the hazards involved (OMB No. 9000-0107).

(b) If there has been no change affecting the quantity of activity, or the characteristics and composition of the radioactive material from deliveries under this contract or prior contracts the Contractor may request that the Contracting Officer or designee waive the notice requirement in paragraph (a) of this clause. Any such request shall-

(1) Be submitted in writing;

(2) State that the quantity of activity, characteristics, and composition of the radioactive material have not changed; and

(3) Cite the contract number on which the prior notification was submitted and the contracting office to which it was submitted.

(c) All items, parts, or subassemblies which contain radioactive materials in which the specific activity is greater than 0.002 microcuries per gram or activity per item equals or exceeds 0.01 microcuries, and all containers in which such items, parts or subassemblies are delivered to the Government shall be clearly marked and labeled as required by the latest revision of MIL-STD 129 in effect on the date of the contract.

(d) This clause, including this paragraph (d), shall be inserted in all subcontracts for radioactive materials meeting the criteria in paragraph (a) of this clause.

[End of Clause]

I-106 252.227-7030 TECHNICAL DATA -- WITHHOLDING OF PAYMENT (ALT I) MAR/2000

(a) If technical data specified to be delivered under this contract is not delivered within the time specified by this contract or is deficient upon delivery (including having restrictive markings not identified in the list described in the clause at 252.227-7013(e)(2) or 252.227-7018(e)(2) of this contract), the Contracting Officer may until such data is accepted by the Government, withhold payment to the Contractor of 10% of the total contract price or amount unless a lesser withholding is specified in the contract. Payments shall not be withheld nor any other action taken pursuant to this paragraph when the Contractor's failure to make timely delivery or to deliver such data without deficiencies arises out of causes beyond the control and without the fault or negligence of the Contractor.

(b) The withholding of any amount or subsequent payment to the Contractor shall not be construed as a waiver of any rights accruing to the Government under this contract.

[End of Clause]

I-107 52.217-4009 OPTION TO EXTEND THE TERM OF THE CONTRACT JUN/2005
(TACOM)

(a) The Government may extend the term of this contract by written notice to the Contractor within 120 days after the end of the last ordering year.

(b) The total duration of this contract, including the exercise of any options under this clause, shall not exceed eight years and six months (inclusive of options).

[End of Clause]

I-108 52.204-7 CENTRAL CONTRACTOR REGISTRATION JUL/2006

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 127 of 169
Name of Offeror or Contractor:		

(a) Definitions. As used in this clause--

"Central Contractor Registration (CCR) database" means the primary Government repository for contractor information required for the conduct of business with the Government.

"Commercial and Government Entity (CAGE) code" means-

(1) A code assigned by the Defense Logistics Information Service (DLIS) to identify a commercial or Government entity; or

(2) A code assigned by a member of the North Atlantic Treaty Organization that DLIS records and maintains in the CAGE master file. This type of code is known as an "NCAGE code."

"Data Universal Numbering System (DUNS) number" means the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities.

"Data Universal Numbering System +4 (DUNS+4) number" means the DUNS number assigned by D&B plus a 4-character suffix that may be assigned by a business concern. (D&B has no affiliation with this 4-character suffix.) This 4-character suffix may be assigned at the discretion of the business concern to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see Subpart 32.11 of the Federal Acquisition Regulation) for the same parent concern.

"Registered in the CCR database" means that-

(1) The Contractor has entered all mandatory information, including the DUNS number or the DUNS+4 number, into the CCR database;

(2) The Government has validated all mandatory data fields, to include validation of the Taxpayer Identification Number (TIN) with the Internal Revenue Service (IRS), and has marked the record ``Active''. The Contractor will be required to provide consent for TIN validation to the Government as a part of the CCR registration process.

(b)

(1) By submission of an offer, the offeror acknowledges the requirement that a prospective awardee shall be registered in the CCR database prior to award, during performance, and through final payment of any contract, basic agreement, basic ordering agreement, or blanket purchasing agreement resulting from this solicitation.

(2) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation DUNS or DUNS+4 followed by the DUNS or DUNS+4 number that identifies the offerors name and address exactly as stated in the offer. The DUNS number will be used by the Contracting Officer to verify that the offeror is registered in the CCR database.

(c) If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one.

(1) An offeror may obtain a DUNS number

(i) If located within the United States, by calling Dun and Bradstreet at 1-866-705-5711 or via the Internet at <http://www.dnb.com/> ; or

(ii) If located outside the United States, by contacting the local Dun and Bradstreet office.

(2) The offeror should be prepared to provide the following information:

(i) Company legal business name.

(ii) Tradestyle, doing business, or other name by which your entity is commonly recognized.

(iii) Company physical street address, city, state and Zip Code.

(iv) Company mailing address, city, state and Zip Code (if separate from physical).

(v) Company telephone number.

(vi) Date the company was started.

(vii) Number of employees at your location.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 128 of 169
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Name of Offeror or Contractor:

(viii) Chief executive officer/key manager.

(ix) Line of business (industry).

(x) Company Headquarters name and address (reporting relationship within your entity).

(d) If the Offeror does not become registered in the CCR database in the time prescribed by the Contracting Officer, the Contracting Officer will proceed to award to the next otherwise successful registered Offeror.

(e) Processing time, which normally takes 48 hours, should be taken into consideration when registering. Offerors who are not registered should consider applying for registration immediately upon receipt of this solicitation.

(f) The Contractor is responsible for the accuracy and completeness of the data within the CCR database, and for any liability resulting from the Governments reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent updates its information in the CCR database to ensure it is current, accurate and complete. Updating information in the CCR does not alter the terms and conditions of this contract and is not a substitute for a properly executed contractual document.

(1)

(i) If a Contractor has legally changed its business name, doing business as name, or division name (whichever is shown on the contract), or has transferred the assets used in performing the contract, but has not completed the necessary requirements regarding novation and change-of-name agreements in Subpart 42.12, the Contractor shall provide the responsible Contracting Officer a minimum of one business days written notification of its intention to:

(A) Change the name in the CCR database;

(B) Comply with the requirements of Subpart 42.12 of the FAR;

(C) Agree in writing to the timeline and procedures specified by the responsible Contracting Officer.
The Contractor must provide with the notification sufficient documentation to support the legally changed name.

(ii) If the Contractor fails to comply with the requirements of paragraph (g)(1)(i) of this clause, or fails to perform the agreement at paragraph (g)(1)(i)(C) of this clause, and, in the absence of a properly executed novation or change-of-name agreement, the CCR information that shows the Contractor to be other than the Contractor indicated in the contract will be considered to be incorrect information within the meaning of the Suspension of Payment paragraph of the electronic funds transfer (EFT) clause of this contract.

(2) The Contractor shall not change the name or address for EFT payments or manual payments, as appropriate, in the CCR record to reflect an assignee for the purpose of assignment of claims (see FAR Subpart 32.8, Assignment of Claims). Assignees shall be separately registered in the CCR database. Information provided to the Contractors CCR record that indicates payments, including those made by EFT, to an ultimate recipient other than that Contractor will be considered to be incorrect information within the meaning of the Suspension of payment paragraph of the EFT clause of this contract.

(g) Offerors and Contractors may obtain information on registration and annual confirmation requirements via the Internet at <http://www.ccr.gov/> or by calling 1-888-227-2423, or 269-961-5757.

[End of Clause]

I-109 52.222-39 NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR DEC/2004
FEES

(a) Definition. As used in this clause--

United States means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

(b) Except as provided in paragraph (e) of this clause, during the term of this contract, the Contractor shall post a notice, in the form of a poster, informing employees of their rights concerning union membership and payment of union dues and fees, in conspicuous places in and about all its plants and offices, including all places where notices to employees are customarily posted. The notice shall include the following information (except that the information pertaining to National Labor Relations Board shall not be included in notices posted in the plants or offices of carriers subject to the Railway Labor Act, as amended (45 U.S.C. 151-188)).

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 129 of 169
Name of Offeror or Contractor:		

Notice to Employees

Under Federal law, employees cannot be required to join a union or maintain membership in a union in order to retain their jobs. Under certain conditions, the law permits a union and an employer to enter into a union-security agreement requiring employees to pay uniform periodic dues and initiation fees. However, employees who are not union members can object to the use of their payments for certain purposes and can only be required to pay their share of union costs relating to collective bargaining, contract administration, and grievance adjustment.

If you do not want to pay that portion of dues or fees used to support activities not related to collective bargaining, contract administration, or grievance adjustment, you are entitled to an appropriate reduction in your payment. If you believe that you have been required to pay dues or fees used in part to support activities not related to collective bargaining, contract administration, or grievance adjustment, you may be entitled to a refund and to an appropriate reduction in future payments.

For further information concerning your rights, you may wish to contact the National Labor Relations Board (NLRB) either at one of its Regional offices or at the following address or toll free number:

National Labor Relations Board
Division of Information
1099 14th Street, N.W.
Washington, DC 20570
1-866-667-6572
1-866-316-6572 (TTY)

To locate the nearest NLRB office, see NLRB's website at <http://www.nlr.gov> .

(c) The Contractor shall comply with all provisions of Executive Order 13201 of February 17, 2001, and related implementing regulations at 29 CFR part 470, and orders of the Secretary of Labor.

(d) In the event that the Contractor does not comply with any of the requirements set forth in paragraphs (b), (c), or (g), the Secretary may direct that this contract be cancelled, terminated, or suspended in whole or in part, and declare the Contractor ineligible for further Government contracts in accordance with procedures at 29 CFR part 470, Subpart B--Compliance Evaluations, Complaint Investigations and Enforcement Procedures. Such other sanctions or remedies may be imposed as are provided by 29 CFR part 470, which implements Executive Order 13201, or as are otherwise provided by law.

(e) The requirement to post the employee notice in paragraph (b) does not apply to--

(1) Contractors and subcontractors that employ fewer than 15 persons;

(2) Contractor establishments or construction work sites where no union has been formally recognized by the Contractor or certified as the exclusive bargaining representative of the Contractor's employees;

(3) Contractor establishments or construction work sites located in a jurisdiction named in the definition of the United States in which the law of that jurisdiction forbids enforcement of union-security agreements;

(4) Contractor facilities where upon the written request of the Contractor, the Department of Labor Deputy Assistant Secretary for Labor-Management Programs has waived the posting requirements with respect to any of the Contractor's facilities if the Deputy Assistant Secretary finds that the Contractor has demonstrated that--

(i) The facility is in all respects separate and distinct from activities of the Contractor related to the performance of a contract; and

(ii) Such a waiver will not interfere with or impede the effectuation of the Executive order; or

(5) Work outside the United States that does not involve the recruitment or employment of workers within the United States.

(f) The Department of Labor publishes the official employee notice in two variations; one for contractors covered by the Railway Labor Act and a second for all other contractors. The Contractor shall--

(1) Obtain the required employee notice poster from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution Avenue, NW, Room N-5605, Washington, DC 20210, or from any field office of the Department's Office of Labor-Management Standards or Office of Federal Contract Compliance Programs;

(2) Download a copy of the poster from the Office of Labor-Management Standards website at <http://www.olms.dol.gov>; or

(3) Reproduce and use exact duplicate copies of the Department of Labor's official poster.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page130 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

(g) The Contractor shall include the substance of this clause in every subcontract or purchase order that exceeds the simplified acquisition threshold, entered into in connection with this contract, unless exempted by the Department of Labor Deputy Assistant Secretary for Labor-Management Programs on account of special circumstances in the national interest under authority of 29 CFR 470.3(c). For indefinite quantity subcontracts, the Contractor shall include the substance of this clause if the value of orders in any calendar year of the subcontract is expected to exceed the simplified acquisition threshold. Pursuant to 29 CFR part 470, Subpart B--Compliance Evaluations, Complaint Investigations and Enforcement Procedures, the Secretary of Labor may direct the Contractor to take such action in the enforcement of these regulations, including the imposition of sanctions for noncompliance with respect to any such subcontract or purchase order. If the Contractor becomes involved in litigation with a subcontractor or vendor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

[End of Clause]

I-110 52.223-11 OZONE-DEPLETING SUBSTANCES MAY/2001

(a) Definition. Ozone-depleting substance, as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR part 82 as--

(1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2) Class II, including but not limited to, hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j(b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

WARNING: Contains (or manufactured with, if applicable) _____ * _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

*The Contractor shall insert the name of the substance(s).

[End of Clause]

I-111 52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES APR/1984

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the date of the clause.

(b) The use in this solicitation or contract of any DoD FAR Supplement (DFARS) (48 CFR 2) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the name of the regulation.

[End of Clause]

I-112 252.223-7001 HAZARD WARNING LABELS DEC/1991

(a) Hazardous material, as used in this clause, is defined in the Hazardous Material Identification and Material Safety Data clause of this contract.

(b) The Contractor shall label the item package (unit container) of any hazardous material to be delivered under this contract in accordance with the Hazard Communication Standard (29 CFR 1910.1200 et seq). The Standard requires that the hazard warning label conform to the requirements of the standard unless the material is otherwise subject to the labelling requirements of one of the following statutes:

- (1) Federal Insecticide, Fungicide and Rodenticide Act;
- (2) Federal Food, Drug and Cosmetics Act;
- (3) Consumer Product Safety Act;
- (4) Federal Hazardous Substances Act; or
- (5) Federal Alcohol Administration Act.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 131 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

(c) The Offeror shall list which hazardous material listed in the Hazardous Material Identification and Material Safety Data clause of this contract will be labelled in accordance with one of the Acts in paragraphs (b)(1) through (5) of this clause instead of the Hazard Communication Standard. Any hazardous material not listed will be interpreted to mean that a label is required in accordance with the Hazard Communication Standard.

MATERIAL (If None, Insert None.)

ACT

(d) The apparently successful Offeror agrees to submit, before award, a copy of the hazard warning label for all hazardous materials not listed in paragraph (c) of this clause. The Offeror shall submit the label with the Material Safety Data Sheet being furnished under the Hazardous Material Identification and Material Safety Data clause of this contract.

(e) The Contractor shall also comply with MIL-STD-129, Marking for Shipment and Storage (including revisions adopted during the term of this contract).

[End of Clause]

I-113 52.204-4009 MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION MAR/2005
(TACOM)

(a) All references in the contract to the submission of written documentation shall mean electronic submission. All electronic submissions shall be in the formats and media described in the website:
<http://contracting.tacom.army.mil/ebidnotice.htm>

(b) This shall include all written unclassified communications between the Government and the Contractor except contract awards and contract modifications which shall be posted on the internet. Return receipt shall be used if a commercial application is available. Classified information shall be handled in full accordance with the appropriate security requirements.

(c) In order to be contractually binding, all Government communications requiring a Contracting Officer signature must be sent from the Contracting Officer's e-mail address. The Contractor shall designate the personnel with signature authority who can contractually bind the contractor. All binding contractor communication shall be sent from this contractor e-mail address(es).

(d) Upon award, the Contractor shall provide the Contracting Officer with a list of e-mail addresses for all administrative and technical personnel assigned to this contract.

(e) Unless exempted by the Procuring Contracting Officer in writing, all unclassified written communication after contract award shall be transmitted electronically.

[End of Clause]

I-114 52.219-4070 PILOT MENTOR-PROTEGE PROGRAM APR/2006

(a) The Pilot Mentor-Protege Program does not apply to small business concerns.

(b) Utilization of the Pilot Mentor-Protege Program (hereafter referred to as the Program) is encouraged. Under the Program, eligible companies approved as mentor firms enter into a mentor-protege agreement with eligible protege firms. The goal of the program is to provide appropriate developmental assistance to enhance the capabilities of the protege firm. The Mentor firm may be eligible for cost reimbursement or credit against their applicable subcontracting goals.

(c) Mentor firms are encouraged to identify and select concerns that are defined as emerging small business concerns, small disadvantaged business, women-owned small business, HUBZone small business, service-disabled veteran-owned small business, veteran-owned small business or an eligible entity employing the severely disabled.

(d) Full details of the program are located at http://www.acq.osd.mil/sadbu/mentor_protege/, <http://sellingtoarmy.info/>, DFARS Appendix I, and DFARS Subpart 219.71, "Pilot Mentor-Protege Program."

(e) For additional questions after reviewing the information provided, contact the Office of Small Business Programs serving your area.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 132 of 169
Name of Offeror or Contractor:		

[End of Clause]

CONTINUATION SHEET	Reference No. of Document Being Continued		Page133 of 169
	PIIN/SIIN W56HZV-07-R-0315	MOD/AMD	

Name of Offeror or Contractor:

SECTION J - LIST OF ATTACHMENTS

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>	<u>Transmitted By</u>
Exhibit A	A001 TRANSPORTABILITY REPORT		001	DATA
Exhibit B	A002 LMI DATA PRODUCTS-BII LIST	27-APR-2007	001	DATA
Exhibit C	A003 LMI DATA PRODUCTS-COEI	27-APR-2007	002	DATA
Exhibit D	A004 LMI HDWRE SP SPT- ISP, ASL,PLL	27-APR-2007	001	DATA
Exhibit E	A005 LMI-REPORTS RECORDS OF MTG	27-APR-2007	001	DATA
Exhibit F	A006 STATUS REPORT-IMS	27-APR-2007	001	DATA
Exhibit G	A007 LMI-MAINTENANCE ANALYSIS	27-APR-2007	002	DATA
Exhibit H	A008 LMI-PPL, PPS & PRICED PARTS	27-APR-2007	002	DATA
Exhibit J	A009 LMI-EDFP	27-APR-2007	001	DATA
Exhibit K	A010 CAMO LINE ART DETAIL	27-APR-2007	001	DATA
Exhibit L	A011 LMI- LONG LEAD ITEM LIST	27-APR-2007	001	DATA
Exhibit M	A012 LMI-EDIL LIST	27-APR-2007	002	DATA
Exhibit N	A013 SPT EQUIP,TOOLS&TEST EQUIP	27-APR-2007	001	DATA
Exhibit P	A014 TECH RPT-ELEC DIAG&PROG ANAL	27-APR-2007	001	DATA
Exhibit Q	A015 TECH MANUALS TM 9-2355XXX	27-APR-2007	002	DATA
Exhibit R	A018 LMI-DA FORM 2408-9	27-APR-2007	001	DATA
Exhibit S	A020 LMI-NMWR CANDIDATE LIST	27-APR-2007	001	DATA
Exhibit T	A021 NMWR TECH MANUAL	27-APR-2007	002	DATA
Exhibit U	A022 SAFETY ASSESSMENT REPORT	27-APR-2007	001	DATA
Exhibit V	A023 HAZMAT MGT RPT	27-APR-2007	001	DATA
Exhibit W	A024 TRNG MAT-TRNG SPT PACKAGE	27-APR-2007	002	DATA
Exhibit X	A025 TRNG MAT-SPT CONSUM,LTR OF SPT	27-APR-2007	001	DATA
Exhibit Y	A026 TRNG MAT-TRNG CERTIFICATES	27-APR-2007	001	DATA
Exhibit Z	A028 ENG PACKAGE DATA SHEET	27-APR-2007	001	DATA
Exhibit AA	A029 PKG DATA ELMTS&SPI DATA	27-APR-2007	002	DATA
Exhibit AB	A031 INSPECTION&TEST PLAN/RPT	27-APR-2007	001	DATA
Exhibit AC	A032 LMI-LONG LIFE REUSABLE CONTAINER	27-APR-2007	001	DATA
Exhibit AD	A033 LMI-TEST SPT PLAN/SYS SPT PKG LIST	27-APR-2007	002	DATA
Exhibit AE	A034 FAIL ANAL & CORREC ACTION RPT	27-APR-2007	001	DATA
Exhibit AF	A035 CONFIG STATUS ACCNT RPT	27-APR-2007	001	DATA
Exhibit AG	A036 FINAL INSPECTION REPORT	27-APR-2007	001	DATA
Exhibit AH	A037 PRDT QUAL DEFICIENCY REPORT	27-APR-2007	001	DATA
Exhibit AI	A038 REQUEST FOR DEVIATION	27-APR-2007	001	DATA
Exhibit AJ	A039 BAR CODE IDENTIFICATION RPT	27-APR-2007	001	DATA
Exhibit AK	A040 ENGINEERING CHANGE PROPOSAL	27-APR-2007	001	DATA
Exhibit AL	A041 LIFE CYCLE SUST&DIM MFG DATA	27-APR-2007	002	DATA
Exhibit AM	A042 DEVEL DESIGN DRWG/MODELS	27-APR-2007	001	DATA
Exhibit AN	A043 TECHNICAL SUPPORT FSR	27-APR-2007	001	DATA
Exhibit AO	A044 PRDT DWGS/MODELS&ASSOC LIST	27-APR-2007	002	DATA
Attachment 001	ATPD 2372	10-MAY-2007	044	DATA
Attachment 002	MAINTENANCE ANALYSIS		001	DATA
Attachment 003	PROVISIONING DATA		009	DATA
Attachment 004	PUBLICATIONS REQUIREMENTS		005	DATA
Attachment 005	RPSTL REQUIREMENTS		009	DATA
Attachment 006	RESERVED			
Attachment 007	NMWR DATA SUMMARY		001	DATA
Attachment 008	LMI PACKAGING DATA		003	DATA
Attachment 009	PACKAGING FORMAT		002	DATA
Attachment 010	PACKAGING REQUIREMENTS		003	DATA
Attachment 011	LOGISTICS TIMELINE PROJECTION		002	DATA
Attachment 012	TDP WORKSHT-DEV DESIGN DRWG		001	DATA
Attachment 013	MODEL METADATA		002	DATA
Attachment 014	RECOMMENDED BII		002	DATA
Attachment 015	SOLDIER EXPOSURE EXTERNAL		001	DATA
Attachment 016	SOLDIER EXPOSURE INTERNAL		001	DATA
Attachment 017	TM DEVELOPMENT		003	DATA
Attachment 018	RELEVANT LOG EXPERIENCE		001	DATA
Attachment 019	AUTHORIZED STOCKAGE LIST (ASL)		001	DATA
Attachment 020	PRESCRIBED LOAD LIST (PLL)		001	DATA
Attachment 021	PRICING QUESTIONNAIRE			DATA

CONTINUATION SHEET	Reference No. of Document Being Continued		Page134 of 169
	PIIN/SIIN W56HZV-07-R-0315	MOD/AMD	
Name of Offeror or Contractor:			

List of Addenda	Title	Date	Number of Pages	Transmitted By
Attachment 022	PAST PERFORMANCE QUESTIONNAIRE			DATA
Attachment 023	DD254 DOD CONTRACT SECURITY		002	DATA

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 135 of 169
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Name of Offeror or Contractor:

SECTION K - REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
K-1	252.209-7001	DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY	SEP/2004
K-2	252.227-7017	IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS	JUL/1995
K-3	252.227-7028	TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT	JUN/1995
K-4	52.204-8	ANNUAL REPRESENTATIONS AND CERTIFICATIONS	JAN/2006

(a)

(1) The North American Industry Classification System (NAICS) code for this acquisition is 336992.

(2) The small business size standard is 1,000 employees.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)

(1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (c) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (c) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (c) applies.

☐ (ii) Paragraph (c) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

<u>FAR Clause</u>	<u>Title</u>	<u>Date</u>	<u>Change</u>
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Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

[End of Provision]

K-5	52.207-4	ECONOMIC PURCHASE QUANTITY -- SUPPLIES	AUG/1987
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(a) Offerors are invited to state an opinion on whether the quantity(ies) of supplies on which bids, proposals, or quotations are requested in this solicitation is (are) economically advantageous to the Government.

(b) Each offeror who believes that acquisitions in different quantities would be more advantageous is invited to recommend an economic purchase quantity. If different quantities are recommended, a total and a unit price must be quoted for applicable items. An

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 136 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

economic purchase quantity is that quantity at which a significant price break occurs. If there are significant price breaks at different quantity points, this information is desired as well.

OFFEROR RECOMMENDATIONS

<u>ITEM</u>	<u>QUANTITY</u>	<u>PRICE QUOTATION</u>	<u>TOTAL</u>
_____	_____	_____	_____
_____	_____	_____	_____

(c) The information requested in this provision is being solicited to avoid acquisitions in disadvantageous quantities and to assist the Government in developing a data base for future acquisitions of these items. However, the Government reserves the right to amend or cancel the solicitation and resolicit with respect to any individual item in the event quotations received and the Government's requirements indicate that different quantities should be acquired.

[End of Provision]

K-6 52.225-18 PLACE OF MANUFACTURE SEP/2006

(a) Definitions. As used in this clause

Manufactured end product means any end product in Federal Supply Classes (FSC) 1000-9999, except

- (1) FSC 5510, Lumber and Related Basic Wood Materials;
- (2) Federal Supply Group (FSG) 87, Agricultural Supplies;
- (3) FSG 88, Live Animals;
- (4) FSG 89, Food and Related Consumables;
- (5) FSC 9410, Crude Grades of Plant Materials;
- (6) FSC 9430, Miscellaneous Crude Animal Products, Inedible;
- (7) FSC 9440, Miscellaneous Crude Agricultural and Forestry Products;
- (8) FSC 9610, Ores;
- (9) FSC 9620, Minerals, Natural and Synthetic; and
- (10) FSC 9630, Additive Metal Materials.

Place of manufacture means the place where an end product is assembled out of components, or otherwise made or processed from raw materials into the finished product that is to be provided to the Government. If a product is disassembled and reassembled, the place of reassembly is not the place of manufacture.

(b) For statistical purposes only, the offeror shall indicate whether the place of manufacture of the end products it expects to provide in response to this solicitation is predominantly

- (1) ☐ In the United States (Check this box if the total anticipated price of offered end products manufactured in the United States exceeds the total anticipated price of offered end products manufactured outside the United States); or
- (2) ☐ Outside the United States.

(End of provision)

K-7 52.230-1 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION JUN/2000

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III. Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract. If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. Disclosure Statement -- Cost Accounting Practices and Certification

(a) Any contract in excess of \$500,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 137 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor: _____

Caution: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

☐ (1) Certificate of Concurrent Submission of Disclosure Statement. The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows:

(i) Original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable; and

(ii) One copy to the cognizant Federal auditor.
(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official and/or from the loose-leaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: _____

Name and Address of Cognizant ACO or Federal Official Where Filed: _____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

☐ (2) Certificate of Previously Submitted Disclosure Statement. The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: _____

Name and Address of Cognizant ACO or Federal Official Where Filed: _____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable Disclosure Statement.

☐ (3) Certificate of Monetary Exemption. The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling \$50 million or more in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

☐ (4) Certificate of Interim Exemption. The offeror hereby certifies that

(i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and

(ii) in accordance with 48 CFR 9903.202-1, the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under subparagraph (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

Caution: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of \$50 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. Cost Accounting Standards -- Eligibility for Modified Contract Coverage

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page138 of 169</p>
--	--	---

Name of Offeror or Contractor:

[] The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than \$50 million in awards of CAS-covered prime contracts and subcontracts. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

Caution: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of \$50 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of \$50 million or more.

III. Additional Cost Accounting Standards Applicable to Existing Contracts

The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

- [] yes
- [] no

[End of Provision]

K-8 52.230-7 PROPOSAL DISCLOSURE--COST ACCOUNTING PRACTICE CHANGES APR/2005

The offeror shall check "yes" below if the contract award will result in a required or unilateral change in cost accounting practice, including unilateral changes requested to be desirable changes.

- [] Yes [] No

If the offeror checked "Yes" above, the offeror shall--

- (1) Prepare the price proposal in response to the solicitation using the changed practice for the period of performance for which the practice will be used; and
- (2) Submit a description of the changed cost accounting practice to the Contracting Officer and the Cognizant Federal Agency Official as pricing support for the proposal.

[End of Provision]

K-9 52.247-53 FREIGHT CLASSIFICATION DESCRIPTION APR/1984

Offerors are requested to indicate below the full Uniform Freight Classification description applicable to the supplies, the same as offeror uses for commercial shipment. This description should include the packing of the commodity (box, crate, bundle, loose, setup, knocked down, compressed, unwrapped, etc.), the container material (fiberboard, wooden, etc.), unusual shipping dimensions, and other conditions affecting traffic descriptions. The Government will use these descriptions as well as other information available to determine the classification description most appropriate and advantageous to the Government. Offeror understands that shipments on any F.O.B. origin contract awarded, as a result of this solicitation, will be made in conformity with the shipping classification description specified by the Government, which may be different from the classification description furnished below.

FOR FREIGHT CLASSIFICATION PURPOSES, OFFEROR DESCRIBES THIS COMMODITY AS:

[End of Provision]

K-10 252.225-7020 TRADE AGREEMENTS CERTIFICATE JAN/2005

(a) Definitions. "Designated country end product," "nondesignated country end product," "qualifying country end product," and "U.S.-made end product" have the meanings given in the Trade Agreements clause of this solicitation.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 139 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

(b) Evaluation. The Government--

(1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

(2) Will consider only offers of end products that are U.S.-made, qualifying country, or designated country end products unless--

(i) There are no offers of such end products;

(ii) The offers of such end products are insufficient to fulfill the Government's requirements; or

(iii) A national interest exception has been granted.

(c) Certification and identification of country of origin.

(1) For all line items subject to the Trade Agreements clause of this solicitation, the offeror certifies that each end product to be delivered under this contract, except those listed in paragraph (c)(2) of this provision, is a U.S.-made, qualifying country, or designated country end product.

(2) The following supplies are other nondesignated country end products:

(Line Item Number)

(Country of Origin)

[End of Provision]

K-11 252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA AUG/1992

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term supplies is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it--

[] Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

[] Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

[End of Provision]

K-12 52.204-4007 OFFEROR'S DATAFAX NUMBER, E-MAIL ADDRESS, AND CAGE CODE MAR/2001
(TACOM)

(a) If you have a data fax number, please provide it below.

(b) If you have a company Internet address that we can use in the future when sending out electronic notices and possibly solicitations, please provide the complete e-mail address below.

(c) Provide your CAGE (Contractor And Government Entity) code below. If you don't have a CAGE code for your specific company name and address, enter NONE in the space below, and apply to Central Contractor Registration at the following website: <http://www.ccr.gov/>

Name of Offeror or Contractor:

[End of Provision]

K-13 52.215-4005 MINIMUM ACCEPTANCE PERIOD OCT/1985
(TACOM)

(a) Notwithstanding block 12 of Standard Form 33 (the front page of this solicitation) this provision shall govern. ACCEPTANCE PERIOD, as used in this provision, means the number of calendar days available to the Government for awarding a contract from the date specified in this solicitation for receipt of offers.

(b) The Government requires a minimum acceptance period of sixty (60) calendar days.

(c) In the space provided immediately below, offers may specify a longer acceptance period than the Government's minimum requirement.

The offeror allows the following acceptance period: _____ calendar days.

(d) An offer allowing less than the Government's minimum acceptance period may be rejected.

[End of Provision]

K-14 52.215-4010 AUTHORIZED NEGOTIATORS JAN/1998
(TACOM)

Please identify, below, the representatives that are authorized to negotiate on your organization's behalf with the Government in connection with this request for proposals or request for information:

PERSONS AUTHORIZED TO NEGOTIATE

<u>NAME</u>	<u>TITLE</u>	<u>TELEPHONE NUMBER</u>
_____	_____	_____
_____	_____	_____

[End of Provision]

K-15 52.223-4002 USE OF CLASS I OZONE-DEPLETING SUBSTANCES (CIODS) DEC/1993
(TACOM)

(a) Definitions.

(1) Class I Ozone-Depleting Substances (CIODS) refers to the class of substances identified in Section 602(a) of the Clean Air Act, (42 U.S.C. 7671a(a)), as reproduced below:

- (i) chlorofluorocarbon-11 (CFC-11)
- (ii) chlorofluorocarbon-12 (CFC-12)
- (iii) chlorofluorocarbon-13 (CFC-13)
- (iv) chlorofluorocarbon-111 (CFC-111)
- (v) chlorofluorocarbon-112 (CFC-112)
- (vi) chlorofluorocarbon-113 (CFC-113)
- (vii) chlorofluorocarbon-114 (CFC-114)
- (viii) chlorofluorocarbon-115 (CFC-115)
- (ix) chlorofluorocarbon-211 (CFC-211)
- (x) chlorofluorocarbon-212 (CFC-212)
- (xi) chlorofluorocarbon-213 (CFC-213)
- (xii) chlorofluorocarbon-214 (CFC-214)
- (xiii) chlorofluorocarbon-215 (CFC-215)

Name of Offeror or Contractor:

- (xiv) chlorofluorocarbon-216 (CFC-216)
- (xv) chlorofluorocarbon-217 (CFC-217)
- (xvi) halon-1211
- (xvii) halon-1301
- (xviii) halon-2402
- (xix) carbon tetrachloride
- (xx) methyl chloroform
- (xxi) Methyl bromide
- (xxii) hydrobromofluorocarbons (HBFCs)
- (xxiii) All isomers of the substances listed in this paragraph (a)(1) except for 1,1,2-trichloroethane, which is an isomer of methyl chloroform.

(2) Directly requires the use of CIODS means that the Government's specification or technical data package, at any tier, explicitly requires the use of any Class I Ozone-Depleting Substance (CIODS) in performance of the contract.

(3) Indirectly requires the use of CIODS means that the Government's specification or technical data package, while not explicitly requiring the use of any CIODS, does require a feature that you can meet or produce only by the use of CIODS.

(b) Per Section 326 of Public Law 102-484, the Department of Defense cannot award any contract that directly or indirectly requires the use of CIODS unless (i) the use of such substances is essential for contract performance, and (ii) no suitable substitute for the CIODS currently is available.

(c) Before releasing this solicitation, we conducted a best effort review of its technical requirements, standards, and specifications, to see if any contain requirements for CIODS. If we identified any such CIODS requirements, they are identified in subparagraph (d)(1) below.

(1) In addition, to help TACOM meet its obligations under Public Law 102-484, we ask you for input. If you have any special knowledge about any CIODS requirements that our specifications impose, whether directly or indirectly, or if you know about potential substitutes for any CIODS required by our specifications, we would appreciate the information.

(2) It should be understood that you are not obligated to give us the information requested by this provision, and that we cannot provide any separate or special payment for doing so. However, we are asking only for information based on knowledge that is readily available to you as a supplier in this industry. We do not expect you to do any review of our specifications more extensive than the one you perform in order to develop your price.

(d) Please summarize your own review of our specification/technical data package, by completing the following:

(1) During our review of the specification or technical data package in this solicitation, we--

- ☐ have
- ☐ have not

found any direct requirements to use any CIODS. (If have is checked above, offerors are asked to identify, on the following lines, (i) any specifications and standards not already listed immediately below that directly require the use of CIODS; (ii) the CIODS required by the listed specifications and standards; and (iii) whether any substitutes are known to be available for the listed CIODS.)

<u>Spec/Standard</u>	<u>Required CIODS</u>	<u>Substitute Available?</u>
<div></div>	<div></div>	<div></div>
<div></div>	<div></div>	<div></div>

(2) Further, in our review of the specification or technical data package in this solicitation, we--

- ☐ have
- ☐ have not

found any indirect requirements to use any CIODS. (Offerors who check have above are asked to identify, on the following lines, (i) the specifications and standards for this acquisition that indirectly require the use of CIODS; (ii) the CIODS indirectly required by each listed specification and standard; and (iii) whether any substitutes are known to be available for the listed CIODS.)

<u>Spec/Standard</u>	<u>Required CIODS</u>	<u>Substitute Available?</u>
<div></div>	<div></div>	<div></div>

Name of Offeror or Contractor:

(e) Offerors who check have in paragraphs (d)(1) or (2) above also are requested to say whether substitutes are known to be available for any of the CIODS. If an available substitute would perform less well than the CIODS would perform, please let us know what the technical trade-offs are to the extent that you have such information available.

(f) If you checked have in paragraphs (d)(1) or (2) above, and also indicated that substitutes for CIODS are available, we need to know whether use of the suggested substitute would have any effect on your proposed price. If your proposal price for compliance with our current specifications differs from what your price would be if the substitute for CIODS were required, we ask that you let us know what the difference would be in Section B of this solicitation, by giving us two prices or offers:

--One price/offer, labeled with CIODS, will be the offered price in the event that CIODS are used.

--The second price/offer, labeled without CIODS, will be the price offered if substitutes for CIODS are used, and will specify the substitute(s) being proposed for use.

(g) Section 326 of Public Law 102-484 reflects the national and international interest in minimizing the use of CIODS. For this reason, TACOM reserves the right to (i) determine the suitability of substitutes for CIODS when such potential substitutes are available; and (ii) change the specification in any contract awarded as a result of this solicitation, to require the use of suitable substitutes in lieu of CIODS.

[End of Provision]

K-16

52.225-4003
(TACOM)

IDENTIFICATION OF SUPPLY CONTRACT/SUBCONTRACT(S) WITH A UNITED KINGDOM (UK) FIRM IN EXCESS OF \$1 MILLION

MAR/1990

(a) The offeror shall indicate, by check mark, if one or more of the statements at (i) or (ii) below applies to this supply solicitation/contract. (Statement (ii) below must be reviewed and, if applicable, checked by all offerors, whether they themselves are or are not located in the United Kingdom (U.K.)

(i) ☐ I AM a U.K. firm contracting in excess of \$1 million and the estimated total of levies contained in the offered price is: \$_____.

(ii) ☐ I expect to award one or more subcontract(s) totaling over \$1 million to a U.K. vendor.

(b) The offeror shall identify each U.K. subcontractor applicable to the statement at (ii) above in the space provided below.

<u>Name</u>	<u>Address</u>	<u>Est. Value Of Subcontract</u>	<u>Est. Total of Levies Incl. In Price</u>
_____	_____	_____	_____
_____	_____	_____	_____

(c) The Government intends to secure a waiver of all levies contained within the proposed price of supply contracts and subcontract(s) with U.K. firms. In the event such levies are waived, the Government and Contractor will execute a modification to this contract to reflect the dollar reduction as a result of the waiver.

(d) It is understood and agreed that the offeror's failure to complete the above certification shall constitute a representation that the offeror (i) is not a U.K. contractor, and (ii) will not execute any subcontracts valued over \$1 million with U.K. subcontractors.

[End of Provision]

K-17

52.245-4004
ALT I

CERTIFICATION OF GOVERNMENT-OWNED PROPERTY FOR POSSIBLE USE AND EVALUATION FACTOR FOR USE OF THE GOVERNMENT-OWNED PROPERTY

JAN/1991

ALL OFFERORS ARE REQUESTED TO COMPLETE THE FOLLOWING REPRESENTATION:

The offeror certifies that there ☐ is
☐ is not

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page143 of 169
--------------------	---	----------------

Name of Offeror or Contractor:

Government-owned property in its plant(s), or in the plant(s) of any of its prospective subcontractors, which, assuming authorization for its use,

- [] will
- [] will not
- [] may or may not (not finally determined as of the date of this offer)

be used in the performance of the contract resulting from this solicitation.

NOTE: Offerors checking is AND will or may or may not above must notify the Government representative listed in Block 7 of the SF 33 at least ten days before the date when offers are due under the solicitation, so that the solicitation can be amended to include the appropriate Government property clause(s). If no such notification is given, authorization for the use of such property in this contract may be denied.

OFFERORS CHECKING IS AND WILL ABOVE SHALL ALSO COMPLETE THE FOLLOWING:

(a) Under each line for entries in the Unit Price and the Amount columns in the Schedule (see Section B of this solicitation), offeror shall add the following evaluation factor line and insert the appropriate unit and total price figures if the conditions of subparagraph c. below are met:

Evaluation factor: \$_____ \$_____

(b) Computation of the evaluation factor is explained in the provision in Section M entitled EVALUATION OF USE OF EXISTING GOVERNMENT-OWNED PROPERTY.

(c) An evaluation factor entry is to be made only if:

- (1) The offeror or any subcontractor, at any tier, will use Government-owned property in production for this contract; and
- (2) The offer is predicated on authorized rent-free use of Government-owned property.

(d) An offeror's insertion or non-insertion of an evaluation factor constitutes, respectively, the offeror's certification that his offer is or is not so predicated. The evaluation factor will be added to the offered price for evaluation purposes. See additional provisions concerning Government-owned property in Sections L and M herein.

(e) **CAUTION:** Rental charges for the use of Government-owned property may accrue, if timely and appropriate approval of rent-free use is not obtained.

[End of Provision]

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 144 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this address: <http://farsite.hill.af.mil/>

[End of Provision]

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
L-1	52.211-2	AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L	JAN/2006
L-2	52.211-14	NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE	SEP/1990
L-3	52.214-34	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE	APR/1991
L-4	52.214-35	SUBMISSION OF OFFERS IN U.S. CURRENCY	APR/1991
L-5	52.215-1	INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION	JAN/2004
L-6	52.222-24	PREAWARD ON-SITE EQUAL OPPORTUNITY COMPLIANCE REVIEW	FEB/1999
L-7	52.232-13	NOTICE OF PROGRESS PAYMENTS	APR/1984
L-8	252.204-7001	COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE REPORTING	AUG/1999
L-9	252.225-7003	REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES AND CANADA--SUBMISSION WITH OFFER	JUN/2005
L-10	252.225-7032	WAIVER OF UNITED KINGDOM LEVIES - EVALUATION OF OFFERS	APR/2003
L-11	52.211-1	AVAILABILITY OF SPECIFICATIONS LISTED IN THE GSA INDEX OF FEDERAL SPECIFICATIONS, STANDARDS AND COMMERCIAL ITEM DESCRIPTIONS, FPMR PART 101-29	AUG/1998

(a) The GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29, and copies of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained for a fee by submitting a request to--

GSA Federal Supply Service
Specifications Section, Suite 8100
470 East L'Enfant Plaza SW
Washington, DC 20407

Telephone (202) 619-8925

Facsimile (202) 619-8978

(b) If the General Services Administration, Department of Agriculture, or Department of Veterans Affairs issued this solicitation, a single copy of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained free of charge by submitting a request to the addressee in paragraph (a) of this provision. Additional copies will be issued for a fee.

[End of Provision]

L-12	52.216-1	TYPE OF CONTRACT	APR/1984
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The Government contemplates award of a FIRM FIXED-PRICE contract resulting from this solicitation.

[End of Provision]

L-13	52.232-18	AVAILABILITY OF FUNDS	APR/1984
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Funds are not presently available for this contract. The Government's obligation under this contract is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are made available to the Contracting Officer for this contract and until the Contractor receives notice of such availability, to be confirmed in writing by the Contracting Officer.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page145 of 169
Name of Offeror or Contractor:		

[End of Provision]

L-14 52.233-2 SERVICE OF PROTEST AUG/1996

(a) Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgement of receipt from:

USA TACOM-LCMC		HQ, Army Materiel Command
ATTN: AMSTA-AQ (Acquisition Center)	or	Office of Command Counsel
(Protest Coordinator)		ATTN: AMCCC-PL
Warren, MI 48397-5000		9301 Chapek Road, Rm 2-1SE3401
		Ft. Belvoir, VA 22060
		Facsimile number (703) 806-8866/806-8875

The AMC-Level protest procedures are found at: www.amc.army.mil/amc/command_counsel/protest/protest.html.

If Internet access is not available, contact the Contracting Officer or HQ, AMC to obtain the AMC-Level Protest Procedures.

Telegraphic transmission of protest will not be authorized, unless specifically approved by the PCO.

(b) The copy of any protest shall be received in the U.S. Army Tank-automotive and Armaments Command office designated above within one day of filing a protest with the GAO.

[End of Provision]

L-15 52.233-4001 HQ-AMC LEVEL PROTEST PROCEDURES OCT/2006
(TACOM)

(a) Policy: A protest to an AMC forum is a protest to the agency, within the meaning of FAR 33.103. The HQ, AMC-Level Protest Program is intended to encourage an interested party to seek resolution of its concerns within AMC, rather than filing a protest with the General Accounting Office (GAO), or other external forum.

(b) Agency Protest: An AMC Protest may be filed with either, but not both:

- (1) The contracting officer designated in the solicitation for resolution of protests, or,
- (2) HQ, AMC at the address designated below.

(c) Election of Forum: After an interested party protests an AMC procurement to HQ, AMC and while that protest is pending, the protestor agrees not to file a protest with the GAO, or other external forum. If the protestor has filed a protest with the GAO, or other external forum, HQ, AMC-Level protest procedures may not be used and any protest that has been filed will be dismissed.

(d) Protest Decision Authority: The AMC Command Counsel is designated as the HQ, AMC Protest Decision Authority. In the absence of the Command Counsel, the Deputy Command Counsel is designated as the HQ, AMC Protest Decision Authority.

(e) Time for Filing a Protest: HQ, AMC protest shall be filed in accordance with the timeframes set out in FAR 33.103(e). HQ, AMC Office Hours are 8:00 am--4:30 pm Eastern Time. Time for filing any document expires at 4:30 pm, Eastern Time on the last day on which such filing may be made.

(f) Form of Protest: HQ, AMC protest shall include the protestor's name, address and telephone number, including fax number; the solicitation or contract number, identity of the contracting activity and the contracting officer's name; a statement of all legal and factual grounds for protest, including copies of all relevant documents; a request for a ruling; and, a request for relief. All protests must be signed by an authorized representative of the protestor.

(g) Processing of HQ, AMC-Level Protests:

- (1) To file an AMC-level protest, send the protest to:

HQ Army Materiel Command

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 146 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

Office of Command Counsel
9301 Chapek Road, Rm 2-1SE3401
Ft. Belvoir, VA 22060

Fax #: (703) 806-8866 or (703) 806-8875

If you have a web browser, you can use the following HTTP to view the complete AMC-level protest procedures:

http://www.amc.army.mil:8765/cs.html?url=http%3A//www.amc.army.mil/amc/command_counsel/protestlink.htm>=bid+protest&col=hgamc&n=1

(2) Within 10 working days after the protest is filed, the Contracting Officer, with the assistance of legal counsel, shall file with the HQ, AMC Office of Command Counsel, ATTN: AMCCC-PL, an administrative report responsive to the protest. Reports shall be sent by facsimile, over-night mail or hand-delivered, to ensure timely receipt.

(3) The HQ, AMC Protest Decision Authority will issue a written decision within 20 working days after the filing of the protest.

(4) The written decision will be binding on the Army Materiel Command and its contracting activities.

(5) For good cause shown, the HQ, AMC Protest Decision Authority may grant extensions of time for filing the administrative report and for the issuance of the written decision. When such an extension is granted, the protestor and all interested parties shall be notified within 1 working day of the decision to grant the extension.

(h) Effect of Protest on Award and Performance:

(1) Protests before award: When a protest is filed with HQ, AMC prior to award, a contract may not be awarded unless authorized by the Assistant Deputy Chief of Staff (ADCS) for Acquisition, Contracting and Production Management, HQ, AMC, in accordance with FAR 33.103(f).

(2) Protests after award: When a protest is filed with HQ, AMC within 10 calendar days after award, or within five calendar days of debriefing for any debriefing that when requested was required by FAR 15.806, the contracting officer shall suspend performance. The HQ, AMC ADCS for Acquisition, Contracting and Production Management may authorize contract performance, notwithstanding the protest, upon a written finding that:

-- contract performance will be in the best interests of the United States; or

-- urgent and compelling circumstances that significantly affect the interests of the United States will not permit waiting for a decision from the HQ, AMC Protest Decision Authority.

(i) Remedies: The HQ, AMC Protest Decision Authority may grant any one or combination of the following remedies:

- (1) terminate the contract;
- (2) re-compete the requirement;
- (3) issue a new solicitation;
- (4) refrain from exercising options under the contract;
- (5) award a contract consistent with statute and regulation;
- (6) pay appropriate costs as stated in FAR 33.102(b)(2); and
- (7) such other remedies as HQ, AMC Protest Decision Authority determines necessary to correct a defect.

[End of Provision]

L-16

52.209-4008
(TACOM)

CAUTION CONCERNING THE PRICING OF FIRST ARTICLE APPROVAL

APR/1986

We caution you to enter prices for first article items and for production items that reflect a fair apportionment of total contract costs, based upon the value we will receive for those items. As the Government, we have the right to determine an offer nonresponsive if it is materially unbalanced as to price. An offer is materially unbalanced as to price when, in the judgment of the Procuring

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page147 of 169
--------------------	--	----------------

Name of Offeror or Contractor:

Contracting Officer (PCO), it cites prices that are significantly less than cost for some work, and significantly more than cost for other work.

[End of Provision]

L-17 52.211-4047 NOTICE TO OFFERORS INTENDING TO OFFER OTHER THAN NEW MATERIAL DEC/2004
(TACOM) (NEGOTIATED)

(a) We intend to acquire only new material. Unless this contract otherwise requires virgin material or supplies composed of, or manufactured from, virgin material, the contractor shall provide supplies that are new, as defined in this clause.

(b) Definitions:

(1) "New" means composed of previously unused components, whether manufactured from virgin material, recovered material in the form of raw material, or materials and by-products generated from, and reused within, an original manufacturing process; provided that the supplies meet contract requirements, including but not limited to, performance, reliability, and life expectancy.

(2) "Reconditioned" means restored to the original normal operating condition by readjustments and material replacement.

(3) "Recovered material" means waste materials and by-products that have been recovered or diverted from solid waste including post-consumer material, but such term does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

(4) "Remanufactured" means factory rebuilt to original specifications.

(5) "Virgin material" means previously unused raw material, including previously unused copper, aluminum, lead, zinc, iron, other metal or metal ore, or any undeveloped resource that is, or with new technology will become, a source of raw materials

(6) "Residual Inventory" means inventory from a transferred or terminated Government or commercial contract.

(c) Used, reconditioned, remanufactured supplies, unused former Government surplus property, or residual inventory shall not be used unless the contractor has proposed the use of such supplies, and the Contracting Officer has authorized their use.

(d) Offers to provide other than new material shall be submitted to the Contracting Officer for approval:

(1) Offerors of other than new material must provide sufficient information from which a determination of acceptability can be made. Contractors who intend to offer other than new material are to fill out the Other Than New Material Worksheet at: http://contracting.tacom.army.mil/acqinfo/OT_NEW_MATERIAL.htm . Form must be completely filled out and is to accompany your offer.

(e) If the use of used, reconditioned, remanufactured items, unused former Government surplus property, or residual inventory are approved by the Contracting Officer, we may require you to meet specific marking, inspection, and testing requirements beyond those found in this solicitation. We will negotiate these additional requirements with you before award and put them in any resulting contract.

[End of Provision]

L-18 52.211-4054 PACKING/PACKAGING LEVEL FOR OPTION QUANTITIES MAR/1989
(TACOM)

For purposes of computing a price for the option quantity specified in Section B of this solicitation and unless otherwise indicated in Section B, it is understood and agreed that the option unit price includes the same level(s) of packing/packaging as those that apply to the basic contract quantity.

[End of Provision]

L-19 52.215-4003 HANDCARRIED OFFERS - INCLUDING OFFERS DELIVERED BY EXPRESS SERVICES DEC/2002
(TACOM) (NON-US POSTAL SERVICE MAIL)

(a) Handcarried offers shall be addressed to:

US Army Tank-automotive and Armaments Command

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 148 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

Acquisition Center
 Bid Lobby - Building 231, AMSTA-AQ-AMAD
 East 11 Mile Road
 Warren, MI. 48397-0001

(b) Offers shall not be addressed to an individual buyer. All offers must be addressed to the Bid Lobby at the above address.

(c) The external delivery envelope or wrapper must be marked with the solicitation number and the date and time of the solicitation closing. Each envelope should contain only one offer.

(d) Handcarried offers must be delivered to the TACOM Receiving Dock in Building 249. Directions to TACOM: From Van Dyke Avenue, travel westbound on 11 Mile Road; enter the first Arsenal gate immediately west of the railroad tracks on the north side of the street. Take an immediate right and follow security officer directions to the Receiving Dock in Building 249. The driver may need to obtain a visitors badge, and must be a US citizen. The Government will forward the package to the Bid Lobby address in Building 231.

(e) Offerors must ensure that the commercial carrier they use has a tracking system that can provide documentation of the date and time of delivery to the Government. For handcarried offers delivered by other than a commercial carrier, the offeror must ensure that the delivery person obtains a signature from Receiving Dock personnel on a receipt that shows the date and time of delivery to the Government. The delivery person must provide the receipt since Receiving Dock personnel do not have them.

(f) Packages must be delivered to Building 249 between the hours of 8:00 am and 3:00 pm local time.

[End of Provision]

L-20 52.215-4404 DATA AND COMMUNICATIONS SUBMITTED TO THE GOVERNMENT ELECTRONICALLY MAY/2002

(a) The Government often employs contractors as system administrators to operate and maintain Government computer systems. These systems include local area networks, web sites, databases, other electronic records, e-mail accounts, other electronic data transfer mechanisms and computer software. The employees of these contracted system administrators sign nondisclosure agreements obligating them not to reveal information contained in files, documents, computers or systems that they administer. However, unless such information is protected in some way, contracted system administrators do have the ability to access such information. For further information on security issues, see <http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>

(b) Potential contractors as well as any other parties are thus advised to take steps needed to prevent access by contracted system administrators to information submitted electronically to the Government. Absent such steps, it is assumed that contracted system administrators are permitted the capability to access the data. The access will be limited to that which is necessary for the contract system administrator to perform its duties for the Government. The access shall be subject to the condition that third party information is not to be revealed by the contracted system administrator.

[End of Provision]

L-21 52.215-4502 PARTNERING MAY/1999

(a) In an effort to most effectively accomplish the objectives of this contract, it is proposed that the Government, the contractor, and it's major subcontractors engage in the Army Materiel Command (AMC) Model Partnering process.

(b) Participation in the AMC Model Partnering process is entirely voluntary and is based upon a mutual commitment between Government and industry to work cooperatively as a Team to identify and resolve problems and facilitate contract performance. The primary objective of the process is providing the American soldier with the highest quality supplies/services on time and at a reasonable price. It is a relationship that is based upon open and continuous communication, mutual trust and respect, and the replacement of the "us vs. them" mentality of the past with a "win-win" philosophy for the future. Partnering also promotes synergy, creative thinking, pride in performance, and the creation of a shared vision for success.

(c) After contract award, the Government and the successful offeror will decide whether or not to engage in the AMC Model Partnering process. Accordingly, offerors shall not include any anticipated costs associated with the implementation of the AMC Model Partnering process in their proposed cost/price (e.g. cost of hiring a facilitator and conducting the Partnering Workshop). If the parties elect to partner, any costs associated with that process shall be identified and agreed to after contract award.

(d) The establishment of a Partnering arrangement does not affect the legal responsibilities or relationship of the parties and cannot be used to alter, supplement or deviate from the terms of the contract. Any changes to the contract must be executed in writing by the Contracting Officer.

(e) Implementation of this Partnering relationship will be based upon the AMC Model Partnering process, as well as the principles and procedures set forth in the AMC Partnering Guide.

(End of provision)

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315MOD/AMD	Page149 of 169
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Name of Offeror or Contractor:

L-22	52.219-4005 (TACOM)	SUBMISSION OF SUBCONTRACTING PLAN	FEB/1999
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(a) Please refer to FAR 52.219-9, SMALL BUSINESS AND SMALL DISADVANTAGED BUSINESS SUBCONTRACTING PLAN, which is incorporated by reference in Section I of this solicitation. The clause requires large businesses to submit a subcontracting plan for small and small disadvantaged business concerns. Such plans are not required from offerors that are small businesses.

(b) TACOM will require a copy of such subcontracting plan. Large businesses may submit a copy of their plans (i) as an attachment to their offer in response to this solicitation; or (ii) after the bid opening/proposal closing date, in response to the Government's telephonic request (in which case the copy must be provided within five workdays of the date of the request). The plan will be submitted to the buyer's e-mail address on the face page of the solicitation.

(c) As the offeror, you need to mark each page of your subcontracting plan with the solicitation number and date. If this is a negotiated acquisition, we reserve the right to negotiate any and all elements of the proposed plan during negotiation of cost, technical, and/or managerial features of the proposal. We also reserve the right in negotiated acquisitions to discuss the subcontracting plan after receipt of any best and final offer, in which case such discussion shall not constitute a re-opening of negotiations.

(d) Failure to submit and, if applicable, negotiate an acceptable subcontracting plan which, in the judgment of the Contracting Officer, provides the maximum practicable opportunity for small business and small disadvantaged business concerns to participate in the awarded contract shall render the offeror ineligible for award. In this connection, offerors should be aware of the statutory goal that has been placed on the Department of Defense to award five percent of its total planned subcontracting dollars to small disadvantaged businesses (to include Historically Black Colleges and Universities and Minority Institutions) at the prime contract and subcontract levels. In view of this Congressional mandate, large businesses shall provide specific explanation as a part of any written subcontracting plan furnished in response to this solicitation/contract that identifies a goal for subcontracting to small disadvantaged business concerns and/or Historically Black Colleges and Universities and/or Minority Institutions that, in the aggregate, amounts to less than five percent of the bid or proposal's total subcontracting dollars.

L-23	52.245-4002 (TACOM)	ACQUISITION OF NEW FACILITIES, SPECIAL TEST EQUIPMENT, OR SPECIAL TOOLING	MAR/1996
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(a) It is not the intent of the Government to acquire, or to have acquired for its account, any facilities, special test equipment, or special tooling as those terms are defined below. The Government shall under no circumstances reimburse the offeror for the cost of any new facilities, special test equipment, or special tooling as a separate item. An offeror may, however, amortize the cost of any such facilities, special test equipment, or special tooling it may require in the submitted price of the items. Such facilities, special test equipment or special tooling shall not be subject to Government option rights to take title to the same except as specified in the DEFAULT, TERMINATION FOR THE CONVENIENCE OF THE GOVERNMENT, and/or PROGRESS PAYMENT clauses of this contract.

(b) As used in this solicitation/contract, FACILITIES means industrial property (other than material, special tooling, military property, and special test equipment) for production, maintenance, research, development, or test, including real property and rights in it, buildings, structures, improvements, and plant equipment.

(c) As used in this solicitation/contract, SPECIAL TEST EQUIPMENT means either single or multipurpose integrated test units engineered, designed, fabricated, or modified to accomplish special purpose testing in the performance of the contract. Such testing units comprise electrical, electronic, hydraulic, pneumatic, mechanical, or other items or assemblies of equipment, that are mechanically, electrically, or electronically interconnected so as to become a new functional entity, causing the individual item or items to become interdependent and essential in the performance of special purpose testing in the development or production of particular supplies or services. The term SPECIAL TEST EQUIPMENT does not include: (1) material; (2) special tooling; (3) buildings and nonseverable structures (except foundations and similar improvements necessary for the installation of special test equipment); and (4) plant equipment items used for general plant testing purposes.

(d) As used in this solicitation/contract, SPECIAL TOOLING means all jigs, dies, fixtures, molds, patterns, taps, gauges, other equipment and manufacturing aids, and their replacements, which are of such a specialized nature that, without substantial modification or alteration, their use is limited to the development or production of particular supplies or parts of them, or the performance of particular services. The term includes all components of such items, but does not include: (1) material; (2) special test equipment; or (3) buildings, and nonseverable structures (except foundations and similar improvements necessary for the installation of special tooling), general or special machine tools, or similar capital items.

[End of Provision]

L.1	PROPOSAL INSTRUCTIONS AND CONTENT
L.1.1	The offeror shall submit both a hardcopy paper and electronic version of their proposal as specified in L.1.1.1 through L.1.8 below. All proposal information must be in the English language. The written portion of the proposal shall include a volume

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 150 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

for each of the evaluation, and a volume for the following information:

- a. One copy of SF 33 signed by a person authorized to sign bids, quotations, or proposals on behalf of the offeror.
- b. One copy of this solicitation (Sections A-K_ with all fill-ins completed).
- c. Small/Small Disadvantaged Business Subcontracting Plan. This does not apply to U.S. Small Business firms.

L.1.2 Proposal Delivery Procedures (Paper and Electronic).

a. Mailed or Commercial Delivery of Proposals. Mailed or commercially delivered (delivery) hardcopy paper and over-packed electronic version (paragraph 1.1.2) proposals will be required to go through a screening process prior to delivery at the TACOM Bid Lobby Depository. Upon arrival at the Main Gate (Eleven Mile Road entrance), the TACOM security police will issue instructions and directions to Building 249 receiving dock. Once at the receiving dock your delivery service must request that the receipt be date/time stamped. The receiving dock employees do not normally date/time stamp as a part of their normal business activity. The date/time receipt will be the official time of delivery of your proposal per FAR 52.215-1 Instructions to Offerors Competitive Acquisitions.

b. Hand Carried Proposals. Offerors that are going to hand carry their proposals directly to TACOM shall contact the buyer, Richard Morency, (586) 574-6641 or, if the buyer is unavailable, Victor Vaughn, (586) 574-8283 upon their arrival. They will be processed through security (only U.S. citizens are allowed on base) and accompanied by the buyer or TACOM representative to the location where the documents will be maintained. Upon receipt of the proposal, the buyer or TACOM representative will give a date/time stamped receipt. The Offeror is required to exit the base immediately after dropping off their proposal and receiving the receipt.

L.1.2.1 Electronic Proposal: Identical electronic (CD-ROM) versions of your paper proposal shall be submitted for Volumes 1-7. Each Volume, including Attachments, shall be submitted in separate CD ROMs to facilitate Government review, and shall be readable on an IBM PC or compatible system running Microsoft Windows XP 2002. File format must be compatible with Microsoft Word 2002. For the Price Factor Volume, spreadsheets shall be in Excel or Excel-readable format. The electronic version of the Request for Proposal (RFP) must be over-packed with the paper version.

L.1.2.2 Hardcopy Proposal: Font size must be no smaller than 10 point with margins no less than 1 inch (top, bottom, left, and right) excluding headers, footers and page numbers. Use standard 8.5 x 11 sized paper except single foldout pages up to 17 x 11 may be used. Number each page and provide an index with each volume. The complete set of Volumes will be accompanied by a cover letter (letter of transmittal) prepared on the Companys letterhead. Each of the volumes must be in separate binders labeled as shown below with full pagination. The RFP shall be sent to the Bid Room, clearly labeled and in a separate binder as follows:

- Volume 1a Unclassified Technical Factor
- Volume 1b Classified Technical Factor
- Volume 2 Production Capability Factor
- Volume 3 Logistics Factor
- Volume 4 - Price Factor
- Volume 5 - Past Performance Factor
- Volume 6 Small Business Participation Factor
- Volume 7 - SF 1449, RFP Sections A-K

L.1.3 Classified Volume (Volume 1b).

L.1.3.1 Classified Requirements. The Offeror is notified that there is a classified annex to the MMPV Purchase Description. Offerors must have a copy of the classified annex in order to meaningfully respond to the solicitation. Offerors will request access to this document by sending an email to the MMPV mailbox: MMPV@tacom.army.mil. Offerors requests should include verification of their industrial facility security clearance (up to Secret, as a minimum), the name and phone number of the offeror's security officer, and an address for mailing the classified document.

L.1.3.2 Classified Proposal. The portion of the offerors technical proposal that identifies how they intend to comply with the requirements contained in the classified annex to the purchase description shall be included in a separate classified volume of the proposal. The offeror shall mail this classified volume separately. Mailing instructions for submission of the classified volume of the proposal will be provided with the classified annex to the purchase description upon Government verification of the offerors appropriate facility and personnel security clearances.

L.1.4 Notwithstanding the information contained on the TACOM Procurement Network Website concerning electronic proposal submission, we will not accept e-mail or datafax offers.

L.1.5 In the event of a conflict between the electronic and hardcopy proposals, the hardcopy proposal will take precedence.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 151 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

L.1.6 Proposal Submission Guidance. The offerors proposal/offer, as required by this section, will be evaluated as set forth in Section M of this solicitation. In addition to the general requirements of the solicitation provision FAR 52.215-1, your proposal submitted in response to this solicitation must contain all pertinent representations, certifications, and the additional information required for evaluation of the proposal.

L.1.7 Offerors are advised that employees of the firms identified below may serve as non-Government advisors in the source selection process. These individuals will be authorized access to only those portions of the proposal data and discussions that are necessary to enable them to perform their respective duties. Such firms are expressly prohibited from competing on the subject acquisition.

Technical Advisor information:

BRTRC Technology Research Corp.
8260 Willow Oaks Corporate Drive, Suite 800
Fairfax, VA 22031-4513

BRTRC Business Primary Point Of Contact: Ms. Denise Oliver, (703) 205-1524.

L.1.7.1 In accomplishing their duties related to the source selection process, the aforementioned firms may require access to proprietary information contained in the offerors proposals. Therefore, pursuant to FAR 9.505-4, these firms must execute an agreement with each offeror that states that they will (1) protect the offerors information from unauthorized use or disclosure for as long as it remains proprietary and (2) refrain from using the information for any purpose other than that for which it was furnished. At the offerors discretion, and to expedite the evaluation process, each offeror will contact the above companies to effect execution of such an agreement prior to submission of proposals. Proposals shall include a copy of any executed agreements. The Contracting Officer will ensure that these agreements are properly executed.

L.1.8 Accordingly, offerors are encouraged to contact the contracting office via email in order to request an explanation of any aspect of these instructions.

L.2 REJECTION OF PROPOSALS: Offerors are cautioned that proposals which fail to meaningfully respond to the requirements of Section L and which merely offer to perform the work in accordance with the RFP, or which fail to present more than a statement indicating their capability of compliance with the technical requirements without elaboration, shall be deemed unacceptable and shall not be further considered for award. Failure to conform to the requirements stated herein or exceptions taken to the terms and conditions of the RFP may form the basis for rejection of the offer. (See Section M Provision M.2 entitled "Rejection of Proposals").

L.3 TECHNICAL FACTOR (Volume 1). There are four Sub-Factors in the Technical Factor: Force Protection/System Survivability, System Maturity, Mobility, and Design Growth Potential. The Technical volume must be subdivided to address each Sub-factor. Only the Force Protection / System Survivability Sub-factor contains elements. The technical data, documentation, and supporting rationale shall be complete, specific, and support your technical approach to meeting the requirements in the purchase description (PD) for the sub-factors and elements described below. The offeror shall be specific in identifying the proposed objective capabilities being offered.

Substantiating Data: In support of its proposed vehicle system, the offeror shall provide an analysis substantiating conformance with the threshold/proposed objective performance levels. To the extent available, supporting information may include, but is not limited to, test data, historical information, commercial literature, manufacturer's specification sheets, certified modeling and simulation data, armor material recipes (including , at a minimum, thickness, spacing, and locations on the vehicle), Survivability Safety confirmations, material release information, analytical support, design documentation or other substantiating data supporting conformance with the threshold/proposed objective performance levels.

Regarding substantiating information, validated test data, which establishes conformance of the offered configuration to required/proposed objective performance levels, represents the most credible form of substantiating data. However, the greater the extent to which the offerors proposed configuration meaningfully varies from the tested configuration, thereby undermining the credibility of offered test data, the more the government may discount the validity of such test data as substantiating information. Accordingly, where the offeror submits test data as substantiating information, the offeror shall further discuss the extent to which the offered configuration varies from the tested configuration. To the extent variances exist, the offeror shall discuss the impact such variances have on the credibility of the test data. To the extent it is not included in the proposal, the Government reserves the right to obtain, and consider in the evaluation, other available Government test data on proposed vehicle systems. This includes data from the ongoing Mine Resistant Ambush Protected (MRAP) program.

In addition to the above described substantiating data, the offeror shall further provide, and include in its analysis of conformance of the offered configuration to threshold/proposed objective performance levels, any specific information identified below.

L.3.1 Sub-Factor 1 - Force Protection / System Survivability.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 152 of 169
Name of Offeror or Contractor:		

The Force Protection / System Survivability Sub-factor is comprised of four elements: Element 1 Mine Protection, Element 2 IED Protection, Element 3 RPG Protection and Element 4 Robot Ingress/Egress. For each of the four elements, the offeror shall identify the proposed survivability performance levels of its MMPV system to either (a) meet threshold requirements and/or (b) achieve objective requirements. Additionally, for each Element, the offeror shall provide an overall analysis substantiating conformance with the Threshold/proposed Objective performance levels. The offerors proposal shall address the following Purchase Description Survivability requirements:

Element	PD Paragraph	Requirement	Threshold	Objective
1	3.18a / 3.19a	Mine Protection	See Classified Annex para. 3.18a	
2	3.18c /3.19c	IED Protection	See Classified Annex para. 3.18c	
3	3.18e / 3.19e	RPG Protection	See Classified Annex para. 3.18e	
4	3.12.4.1	Robot Ingress/ Egress	See PD 3.12.4.1	See PD 3.12.4.1

Offerors are reminded that, if awarded a contract, the offerors final proposed Force Protection / System Survivability performance levels (assuming the proposal meets Threshold requirements) will be incorporated as the requirements in any resulting contract.

For Element 1 Mine Protection, Element 2 IED protection, and Element 3 RPG Protection, the proposal shall identify the proposed systems capability to meet each of the specific threshold and proposed objective performance requirements listed in the classified annex to the purchase description.

For Elements 1, 2, 3: The offeror shall also provide an overall analysis substantiating conformance with the Threshold/proposed Objective performance levels. Describe the extent to which the proposed vehicle system, as it currently exists (as of your proposal submission date), meets the proposed Survivability performance levels. (Reference PD paragraph 3.18 a, c & e, and 3.19 a, c & e, and Classified Annex paragraphs 3.18 a, c & e, and 3.19 a, c & e). Describe any changes to the existing vehicle configuration and the extent to which such changes undermine existing test or performance data.

For Element 4 Robot Ingress/Egress, the proposal shall address the following:

1) Describe how the Robot will ingress/egress the vehicle:

- a. Does the Robot ingress/egress include any soldier involvement outside the vehicle? If so, how many soldiers are outside the vehicle, and for how long? Offerors shall complete Attachment 015 in response to this question.
- b. During Robot ingress/egress, is there any soldier exposure inside the vehicle? Offerors shall complete Attachment 016 in response to this question.
- c. Identify the Length and width of robot ingress/egress point(s) and location on the vehicle.

2) How each soldier is exposed during the ingress/egress of the robot (for example, Soldier 2 will be exposed while rear full width door is open; OR: Soldiers 3 and 4 are required to dismount the vehicle, take ramp assembly out of storage, assemble ramp, and connect the ramp to rear door of vehicle, etc.).

For Element 4: The offeror shall provide an overall analysis substantiating conformance with the proposed Objective performance levels. Describe the extent to which the proposed vehicle system, as it currently exists (as of your proposal submission date), meets the proposed performance levels. (Reference PD paragraph 3.12.4.1)

L.3.2 Sub-Factor 2 System Maturity Describe the extent to which the proposed vehicle system meets, as it currently exists and on an integrated system basis, either the offeror proposed level of Objective performance or the minimum PD requirements, for the following PD Paragraphs: PD 3.13.2 (Mobility), 3.13.2.3 (Sustained Convoy Speed), 3.13.2.4 (Acceleration), 3.13.2.5 (Gradeability), 3.13.2.6 (Stability), 3.13.2.9 (Turning Performance), 3.18a-e (Force Protection).

Where your proposed vehicle system is based upon an existing prototype or production model which meets the minimum PD requirements, provide any test data or other credible performance information demonstrating performance level achievement. To the extent that such data has also been provided elsewhere in the proposal, simply refer to it.

If the proposed MMPV vehicle does not currently exist or does not (in the current configuration) meet the requirements, describe the modifications necessary to meet the requirements and the extent to which any existing test or performance data remains valid. For subsystems that will be integrated to meet the requirements, provide test data at the highest level of integration required to meet the requirements. The Offeror shall provide information that supports the overall approach of the engineering design and integration of these subsystems into a vehicle that meets the requirements. The government will assign a risk level and evaluate the probability that the proposed vehicle, based upon the demonstrated system maturity, will successfully meet the threshold, or proposed objective, performance levels with respect to the integration of the components listed in PD paragraphs 3.13.2, 3.13.2.3, 3.13.2.4, 3.13.2.5, 3.13.2.6, 3.13.2.9, 3.18a-e An existing configuration with few or no design changes that has

<p align="center">CONTINUATION SHEET</p>	<p align="center">Reference No. of Document Being Continued</p> <p align="center">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p align="right">Page153 of 169</p>
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Name of Offeror or Contractor:

been credibly demonstrated to achieve proposed performance levels will generally be considered very low risk.

L.3.3 Subfactor 3 Mobility

The Offeror shall identify the proposed Mobility performance level of its MMPV system to meet the following Purchase Description Mobility requirements:

PD Paragraph	Requirement	Threshold	Objective
3.13.2.3	Sustained Convoy Speed	See CA 3.13.2.3	N/A
3.13.2.6	Stability	30% Side Slope	N/A
3.13.2.9	Turning Performance	75 ft Wall to Wall	N/A

The Offeror's proposal shall provide supporting data, as described in Paragraph L.3 above, to substantiate the achievability of the Offeror's proposed MMPV with the requirements in PD paragraphs 3.13.2.3, 3.13.2.6, and 3.13.2.9.

JP-8 fuel shall be used for all performance data: Provide engine performance curves showing net and gross horsepower versus RPM, torque curves versus RPM, parasitic loads, and fuel economy; and engine-transmission match curves, including torque converter performance curves, all transmission ratios, torque converter speed ratio versus torque ratio, all transfer case ratios, axle ratios, geared hub ratios etc., tire size and rolling radius, and manufacturers' specification sheets. Describe any loss in horsepower performance when using JP-8 fuel. Provide information from engine supplier to show their approval for use of JP-8 fuel.

L.3.4 Subfactor 4 - Design Growth Potential

In support of the program objective of acquiring an MMPV design which is credibly designed to accommodate the potential addition/insertion of increased capability beyond the threshold MMPV Purchase Description requirements (e.g., additional payload or weight without major vehicle redesign or upgrade to support an ability to improve survivability, mobility, integrate new mission modules, etc.), the offeror shall provide information on the following:

L.3.4.1. Payload Growth Potential The offeror shall identify its proposed Payload Growth Potential beyond the threshold MMPV Purchase Description requirements based on the following equation: Gross Vehicle Weight Rating (minus) Vehicle Curb Weight = (equals) Payload Growth Potential.

The offeror shall provide an analysis substantiating the credibility of the proposed payload growth potential to include an analysis of the extent to which Payload Growth calculation inputs are based on an existing MMPV configuration which has been established through testing or other performance information, to meet threshold, or proposed objective, levels of performance (whichever is higher).

Offeror shall further provide the ratings of each of the following components, and any available commercial literature to substantiate ratings:

- a. Axles (front and rear); gross axle weight rating (GAWR), (pounds)
- b. Suspension (front and rear); acceptable GAWR range (pounds)
- c. Engine; horsepower, torque (lb-ft), governed speed (rpm)
- d. Transmission; Torque input and output, maximum allowable gross vehicle weight
- e. Transfer case; maximum input torque
- f. Wheels/Rims; weight and speed ratings
- g. Tires; speed rating (miles per hour) at the maximum load for the tires (pounds)
- h. Brakes; maximum gross axle weight rating for which the brakes are rated

L.3.4.2. Electrical Capacity Growth Potential. The offeror shall identify its proposed Electrical Capacity Growth Potential based on the following equation: Total Electrical Capacity (minus) Current Vehicle Electrical Usage = (equals) Electrical Capacity Growth Potential.

The offeror shall provide an analysis substantiating the credibility of the proposed Electrical Capacity growth potential to include an analysis of the extent to which Electrical Capacity Growth calculation inputs are based on an existing MMPV configuration which has been established through testing or other performance information to meet threshold, or proposed objective, levels of performance (whichever is higher).

Offeror shall further provide information on the existing and potential excess electrical system capacity including the following:

- a. Current Capacity: Vehicles total electrical capacity including, at a minimum:
 - (1) Alternator/Generator manufacturer, model, type, output capacity
 - (2) Amperage rating of wiring

CONTINUATION SHEET	Reference No. of Document Being Continued		Page154 of 169
	PIIN/SIIN W56HZV-07-R-0315	MOD/AMD	

Name of Offeror or Contractor:

- (3) Fuses, number, style, ratings
- (4) Number of batteries, total CCA

b. Current draw/usage/load:

- (1) Exterior lights (all that apply)
 - a. Headlights at high beam
 - b. Fog lights
 - c. Taillights
 - d. Stop lights
 - e. Turn lights
 - f. Side marker lights
 - g. Clearance lights
 - h. Back-up lights
 - i. Area lighting
 - j. Spotlight
 - k. Trailer hookup lighting
- (2) Interior lights (all that apply)
 - a. Dome (white and military blackout)
 - b. Instrument panel/gages
 - c. Accessory lights
- (3) Starter System
- (4) A/C Blower Motor
- (5) Defroster fan
- (6) NBC system
- (7) Fuel solenoid
- (8) Fuel heater (if provided)
- (9) ABS controls
- (10) Air dryer
- (11) Engine Fan solenoid
- (12) Engine ECM
- (13) Transmission ECM
- (14) Radiator Shutter solenoid
- (15) Windshield wiper motor(s) at highest speed
- (16) Instrument cluster

L.4 PRODUCTION CAPABILITY FACTOR (Volume 2)

L.4.1 The Offeror shall prepare a Production Capability Factor proposal addressing (a) Manufacturing Facilities, (b) Key Tooling and Equipment, (c) Production Approach, (d) Subcontractor Letters of Commitment, (e) Time Phased Critical Path, and (f) Achieving a Maximum Monthly Production Rate as described in L.4.2(f) below. For proposal preparation and evaluation purposes in response to paragraph L.4.2 (a-e), the Offeror shall prepare its proposal based on the following delivery order assumptions:

L.4.1.1 Monthly Delivery Order Deliveries: For proposal preparation and evaluation purposes in the Production Capability Factor, assume the Delivery requirements below. The quantities listed are for evaluation purposes ONLY and they in no way obligate the Government to award more than the guaranteed minimum quantity:

a. initial IDIQ delivery order will be issued simultaneously with an IDIQ contract award in July 2007 with deliveries commencing in November 2007;

b. subsequent delivery orders will be issued, in each fiscal year, resulting in the following projected contract delivery schedule:

FY/ Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY TOTALS
2007										K Awd/ DO*			0
2008	0	4	3	3	4	4	5	5	6	8	10	10	62
2009	10	10	11	11	12	13	13	13	14	14	15	15	151
2010	15	11	14	13	14	15	17	18	19	20	21	22	199
2011	22	22	21	22	22	22	22	22	22	22	22	22	263
2012	22	22	22	22	22	22	22	22	22	22	22	22	264
2013	21	21	21	21	21	20	20	20	20	20	20	18	243

CONTINUATION SHEET	Reference No. of Document Being Continued												Page155 of 169
	PIIN/SIIN W56HZV-07-R-0315						MOD/AMD						

Name of Offeror or Contractor:

2014	18	18	17	17	17	17	16	16	16	15	15	15	197
2015	12	10	6										28

*DO = Delivery Order

Regarding the Production Capability assessment, the Government reserves the right to obtain, and consider in the evaluation, Production Capability information and planning from any ongoing and related Government Contracts, including the MRAP program.

L.4.2 Offerors are required to submit the following information in support of this area:

L.4.2(a) Manufacturing Facilities (only provide the below specified information with respect to your approach to manufacturing facility(ies) to be used for the MMPV test articles and monthly delivery order quantities, as specified in L.4.1.1, above). Identify the proposed facility(ies) specifically intended for use in production of the MMPV as well as these key component areas: a) hull and cab structures; b) capsule welding/fabrication/assembly; c) transparent armor; d) automotive (power train) integration and assembly; and, e) final vehicle assembly.

L.4.2(a)(I) Provide the dimensional size of all structures, storage areas, lots, test facilities, open areas, and shipping/receiving areas. Offeror must distinguish between existing facilities and proposed plans to obtain facilities. Provide photographs of all major facilities to be used in production of the MMPV as well as the key components for: a) hull and cab structures; b) capsule welding/ fabrication/assembly; c) transparent armor; d) automotive (power train) integration and assembly; and, e) final vehicle assembly.

L.4.2(a)(II) Identify the extent to which the manufacturing facilities currently exist and are configured to produce the offered MMPV. For any new facilities proposed, provide a milestone schedule for any new facility construction, and identify the size and capacity of the new facility and any impact that the new facility construction may have on the Governments required delivery date or to meet surge and other vehicle production requirements.

L.4.2(a)(III) If you plan to use subcontractor support, address the above details with regard to subcontracted effort.

L.4.2(b) Key Tooling and Equipment (only provide the below specified information with respect to your approach to the proposed Schedule). Identify the Key Tooling and Equipment specifically intended for use in production of the MMPV and key components as follows: a) hull and cab structures; b) capsule welding/ fabrication/assembly; c) transparent armor; d) automotive (power train) integration and assembly; and, e) final vehicle assembly.

L.4.2(b)(I) Categorize the proposed tooling and equipment in accordance with its proposed use in the production of the MMPV and key components. areas: a) hull and cab structures; b) capsule welding/ fabrication/assembly; c) transparent armor; d) automotive (power train) integration and assembly; and, e) final vehicle assembly.

L.4.2(b)(II) Identify the extent to which the Key Tooling and Equipment currently exists and are configured to produce the offered MMPV. For any new Key Tooling and Equipment proposed, provide a milestone schedule to obtain any new Key Tooling and Equipment. Identify any impact that acquiring of the new Key Tooling and Equipment may have on the Governments required delivery date or to meet surge and other vehicle or major component production requirements. If you plan to use major subcontractor support, address the above details with regard to subcontracted effort.

L.4.2(b)(III) If you plan to use subcontractor support, address the above details with regard to subcontracted effort.

L.4.2(c) Production Approach (provide the information specified below with respect to your production approach for the proposed Test Articles and Monthly Production Quantities as specified in L.4.1.1, above): Describe your proposed production facility (ies) layout to accommodate the proposed production rate for the MMPV. The layout should identify the progressive physical flow of hardware within the proposed production site(s). The progressive physical flow shall detail the internal processes from the point of material receipt and storage through sub-assembly work, final MMPV assembly, and preparation for shipment.

L.4.2(d) Letters of Commitment: The Offeror shall provide commitment letters from the major sub-contractors involved in the following aspects of MMPV production: a) hull and cab structures; b) capsule welding/ fabrication/ assembly; c) transparent armor; d) automotive (power train) integration and assembly; and, e) final vehicle assembly. Each letter of subcontractor commitment shall be endorsed by a senior official of the subcontractor company and shall include the delivery schedule the subcontractor will supply against in order to meet the MMPV delivery schedule identified in L.4.1.1.

L.4.2(e) Time Phased Critical Path (TPCP) (provide the below specified information with respect to your time phased critical path approach to supply the vehicle quantities specified in L.4.1.1. Provide a Time Phased Critical Path (TPCP) of key events necessary to ensure the timely delivery of MMPVs conforming to the technical specifications, to include specific milestone dates for those events, should include but not be limited to:

- (1) Issuance of purchase orders for Long Lead Time Items (LLTIs) (over 75 days) and critical components (the hull,

<p>CONTINUATION SHEET</p>	<p>Reference No. of Document Being Continued</p> <p>PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p>Page156 of 169</p>
----------------------------------	--	-------------------------------------

Name of Offeror or Contractor:

cab, capsule, transparent armor, auto power train components).

- (2) Facilitation activities (if any).
- (3) Receipt of LLTI and critical components.
- (4) Assembly time (broken down to include times for individual major component assembly).
- (5) Paint.
- (6) Testing.
- (7) Final Preparation and Acceptance.

L.4.2(f) Achieving the Projected Maximum Monthly Production Rate. The offeror shall describe its planned approach for achieving the projected maximum monthly production rate of 35 MMPVs per month. For proposal preparation and evaluation purposes, achieving the projected maximum monthly production rate will be assessed considering the following assumptions:

- (1) The Government issues an MMPV Delivery Order in IDIQ Contract Month 25 (the first month of the IDIQ Contract's 3rd Ordering Period) in accordance with Ordering Limitations Provision I-108; and
- (2) This Delivery Order requires, following 9 months of Production Lead Time, the supply of 35 MMPVs per month for 24 consecutive months beginning in IDIQ Contract Month 34 and running through IDIQ Contract Month 58.

Based on the above, the offeror shall discuss planning to achieve the maximum monthly production rate of 35 MMPVs per month as follows:

L.4.2(f)(I) Facilities. Identify the Facility(ies) to be utilized in the event monthly production reaches 35 MMPVs per month. To the extent the offeror plans to employ the Facilities identified under Paragraph L.4.2(a) above, substantiate how this Facility capacity will be sufficient to support 35 MMPVs per month. If Facilities other than, or in addition to, the facilities identified under Paragraph L.4.2(a) above, are planned to be used, identify the extent to which such other facility(ies) are required and are presently available to support production of 35 MMPVs per month. Identify any Facilities upgrades required to support Production of 35 MMPVs per month.

L.4.2(f)(II) Key Tooling and Equipment. Identify the Key Tooling Equipment required in the event monthly production reaches 35 MMPVs per month. To the extent the offeror plans to employ the Tooling and Equipment identified under Paragraph L.4.2(b) above, substantiate how this tooling and equipment capacity will be sufficient to support 35 MMPVs per month. If Tooling and Equipment other than, or in addition to, the Tooling and Equipment identified under Paragraph L.4.2(b) above, are planned to be used, identify the extent to which such other Tooling and Equipment is required and is presently available to support production of 35 MMPVs per month.

L.4.2(f)(III) Workforce. In support of the projected maximum Monthly Production Rate of 35 MMPVs per month, the offeror shall identify where, and by who, all armor welding will be performed. Also describe the specific welding actions to be accomplished at each site. For each location where armor welding will be performed, identify the quantity and type of armor welders required to perform the location specific welding activity. Also discuss the availability of welders at each armor welding locality who meet the minimum American Welding Society qualification requirements cited in Purchase Description paragraph 3.20 & 3.20.1. Where sufficient welders meeting minimum AWS requirements are not available, discuss planning to ensure availability of the required armor welders.

L.5 LOGISTICS FACTOR (VOLUME 3). There are two Sub-Factors in the Logistics Factor: Realism of the Technical Manual Approach and Logistics Experience.

L.5.1 Sub-Factor 1 Realism of the Technical Manual Approach. Offerors shall provide spreadsheets detailing the labor categories, labor category mix, and labor hours for C.14.1 and its sub-paragraphs in the format specified in Attachment 017. Offerors shall provide written rationale supporting their labor hours, categories and mix to perform the required development and delivery of the required data. Offerors shall provide the necessary data to evaluate performance for the Technical Manual data requirements set forth in paragraph C.14.1 and its sub-paragraphs.

L.5.2 Sub-Factor 2 Logistics Experience. Provide a brief narrative description of your and any subcontractors prior Logistics Experience with the following:

- a. Reliability, Availability and Maintainability (RAM) as described in paragraph C.25.1.1 and C.25.1.2.
- b. Maintenance Analysis as described in paragraph C.9.1 (including attachment 2) and C.9.1.3 Maintenance Analysis/Supportability Analysis).

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 157 of 169
Name of Offeror or Contractor:		

c. Supportability Analysis as described in scope of work C.9.2.1, C.9.2.2, and attachment 2 (Maintenance Analysis/Supportability Analysis).

L.5.2.1 Additionally, the Offeror shall identify no more than 7 of the most recent/relevant Contracts (prime contractor and logistics subcontractors (if any)) which include Logistics which is relevant to L.5.2(a-c). For each of the up to 7 contracts identified, the Offeror shall provide the following:

- a. Contract Number
- b. Contract type
- c. Government or commercial contracting activity address, telephone number, and E-mail address.
- d. Procuring Contracting Officer's (PCO's) name, telephone number and E-mail address.
- e. Administrative Contracting Officer's (ACO's) name, telephone number and E-Mail address.
- f. Government or commercial contracting activity technical representative, or COR, name, telephone number and E-mail address.
- g. Copies of all Scope of Work paragraphs of the contract reflecting Logistics Experience which is relevant to L-18a.1.(a) through (d) above.
- h. A discussion of similarities between these contract scopes of work and the scope of this RFP.

L.5.2.2 The Offeror shall also complete and provide the matrix attached hereto as Attachment 018 which synthesizes the relevant Logistics Experience under each of the up to 7 historical contracts cited by the Offeror.

L.6 PRICE FACTOR (VOLUME 4)

The Price Area will include the prices for all CLINs set forth in Section B. All prices, as well as any pricing information provided as a result of these instructions, shall be in U.S. dollars. Also provide the basis for establishing the proposed prices, including any offered discounts, established catalogs, price lists, or other verifiable and established records that are regularly maintained by the vendor, and are published or otherwise available for customer inspection. The above information is intended to establish the reasonableness and realism of the offerors proposed price.

Additionally, in support of the proposed Unit Price for CLIN 1001AA (the IDIQ Contract's 1st Year Unit Price), provide the following cost element build:

- 1. Material Cost
- 2. Material Overhead
- 3. Touch Labor(to include identified labor hours & applied labor rate(s))
- 4. Labor Overhead
- 5. Amortized Engineering
- 6. Amortized Testing Expense
- 7. Other Direct Costs (including non-Material subcontracts)
- 8. Facilitization, if any (to achieve the production rate specified in L.4.1.1).
- 9. FCCM
- 10. G&A
- 11. Profit
- 12. Any Other costs relevant to the vehicle price
- 13. Basic quantity U/P

In support of the proposed materials, the offeror shall provide in its own format, a priced bill of material for the first year unit price.

In support of the proposed labor costs, the offeror shall provide in its own format, a priced bill of labor for the first year unit price.

The offeror may propose range pricing under each MMPV CLINs. If you are proposing range pricing of MMPV Vehicles in the completed Section B of your proposal (which is part of the Terms and Conditions Volume), provide a table showing (1) the minimum quantity per year, 0; (2) the maximum quantity per year, 420; (3) the price ranges proposed within the minimum and maximum quantities; and (4) the unit price applicable for each range. Note that the effects of range pricing will be factored into the Governments evaluation of price. Offeror proposed range pricing must be accompanied with narrative and rationale.

L.6.1 ASL (CLINs for Years 1001AF-8001AF) and PLL (CLINs for Years 1001AG-8001AG) parts pricing. In support of the ASL and PLL CLIN Pricing, the Offeror shall identify, and include pricing and quantities for, its proposed CLIN 1001AF (1st Year CLIN only) Authorized Stockage List in accordance with C.6.5.1, and its proposed CLIN 1001AG (1st Year CLIN only) Prescribed Load List in accordance with C.6.5.2. At a minimum, the ASL list shall include the parts and quantities identified in the L.6.2 cited spreadsheet (Attachment 019), and the PLL list shall include the parts and quantities identified in L.6.3 cited spreadsheet

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 158 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

(Attachment 020). In addition to the minimum parts and quantities listed in the L.6.2 and L.6.3 cited spreadsheets, the offeror shall identify, in its proposed ASL and PLL lists, the items, prices and quantities (including any increased quantities above the minimum quantities for items already listed in the ASL/PLL spreadsheets), for all other parts required to meet the requirements of C.6.5.1 and C.6.5.2. The offeror/contractor is responsible to deliver ASL and PLL packages which meet the requirements of C.6.5.1 and C.6.5.2. Where, during contract performance, the offeror's proposed ASL and PLL package lists fail to include all maintenance significant parts in accordance with C.6.5.1 and C.6.5.2, the offeror/contractor shall be responsible to add any such missing maintenance significant parts, to its deliverable ASL and PLL packages, at no additional cost to the Government.

L.6.2 Authorized Stockage List. As required by RFP Paragraph C.6.5.1, the Authorized Stockage List (ASL) consists of a Stockage of parts that are maintained at each support/direct support unit that the MMPV will be fielded to. ASL consists of major assembly items, items that have a long lead time for procurement, items that may have a shorter than normal useful life span. Consistent with the instructions in L.6.1, the offeror shall identify its proposed ASL package (items, quantities and prices) by completing the ASL Spreadsheet attached to this RFP (See RFP Attachment 019). This spreadsheet is to be completed in support of 1st Year ASL CLIN 1001AF only. Note: Where the spreadsheet lists "ALL" of an item, the offeror shall define all individual parts required for the components that completed the system addressed.

L.6.3 Prescribed Load List. As required by RFP Paragraph C.6.5.2, the Prescribed Load List (PLL) consists of a Stockage of parts that are maintained at the unit location to support the MMPV to be fielded. PLL will consist of common items that unit level maintenance personnel can replace. Consistent with the instructions in L.6.1, the offeror shall identify its proposed PLL package (items, quantities and prices) by completing the PLL Spreadsheet attached to this RFP (See RFP Attachment 020). This spreadsheet is to be completed in support of 1st Year PLL CLIN 1001AG only. Note: Where the spreadsheet lists "ALL" of an item, the offeror shall define all individual parts required for the components that completed the system addressed.

L.6.4 Financial Capability Information. The Offeror must provide the following information in electronic form for each of the Offeror's three most recent fiscal years: (1) Balance Sheet, (2) Income Statement and (3) Statement of Cash Flows. These statements should be certified by your independent Certified Public Accountant (CPA) or equivalent. You must also provide the name, title, address, telephone number and e-mail address for a financial Point of Contact (POC) within your company. This POC may be contacted by Defense Contract Audit Agency (DCAA) if a Financial Capability assessment is performed on your company and a site visit by DCAA may be required.

You must be prepared to support this analysis. If you know the DCAA office (name of the Supervisory Auditor, telephone number and email) with cognizance of your company please provide that information. This information is due at the dedicated MMPV mailbox at MMPV@tacom.army.mil not later than the date set for receipt of proposals.

L.6.4.1 Payments under performance of the contract are anticipated to be made at time of end item deliveries and acceptance. Therefore, the offeror must provide the following information related to the impact of this contract on future cash flow projections during contract performance and completion:

L.6.4.2 Identify sources and amounts of financing available to insure contract operations (i.e.; long lead material, manufacturing labor, etc.) will continue until payment is rendered for end item deliveries. Identify anticipated new arrangements in support of third party financing requirements upon contract award.

L.6.4.3 Offeror must be prepared to support this financing information as an integral part of its financial capability assessment.

L.6.5 Pricing Questionnaire (PQ). Attachment 021 is included as part of this solicitation. The PQ contains an MS Excel Workbook which includes nine MS Excel Worksheets therein. Please note that there are TEN or MORE worksheets for the offeror to complete in the MS Excel Pricing Questionnaire workbook file. The offeror will complete the required information for all ten (or more) worksheets. Offeror's name, solicitation number, and date of the submission shall appear on each page of each table.

L.6.5.1 If the offeror proposes range pricing, it is only required to provide the price/cost detail below for the range comprising the RFP estimated quantities:

L.6.5.1.1 Attachment 021 - Worksheet 1 Pricing Questionnaire Summary Worksheet. The Offeror shall fill in proposed prices for each item and each ordering year for all of the items in this solicitation. Each item price shall include the proposed prices for MMPV Vehicles and the other priced CLINs related to the MMPV effort. Some of the worksheets have suggested format for proposing prices/costs. Other worksheets ask for the offer to provide its price/cost breakdown with rationale.

L.6.5.1.2 Attachment 021 Worksheet -- Price Detail Vehicles

The Offeror shall fill in price detail information for the major subsystems, components, or price determinants which comprise the price of the MMPV. The offeror must use the spreadsheet provided and such will correctly capture the price detail used to determine the overall unit price offered for the total MMPV Vehicle. The offeror's vehicle price detail shall correspond to the vehicle characteristics and description included in its Technical Volume and its Technical Item Questionnaire. Inconsistencies or disconnects between the Price Volume and the corresponding Technical Volume characteristics and description

<p align="center">CONTINUATION SHEET</p>	<p align="center">Reference No. of Document Being Continued</p> <p align="center">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p align="right">Page159 of 169</p>
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Name of Offeror or Contractor:

could adversely affect the offerors evaluation in both areas.

Offeror should properly identify the amount of and the method of amortizing any one time non recurring costs. Pricing should be structured so that one time non recurring costs will be recovered only once and there should be no duplicate recoveries of such costs as orders are placed.

L.6.5.1.3 Attachment 021 Worksheets for BII, ISP, PLL

These items quantities are one per vehicle and each comprises lists of component parts of varying quantities to support one vehicle.

A sample format is provided for the offeror to identify the pricing for the parts components comprising the BII, ISP, PLL. The offeror should also identify any pricing assumptions or rationale used.

L.6.5.1.4 Attachment 021 Worksheets for ASL, Vehicle Hand Off, NET Operator, NET Maintainer, Technical Assistance (CONUS, OCONUS, OCONUS Contingency)

These items quantities are not one per vehicle. Each comprises a set of tasks to achieve the objective of its CLIN. The offeror shall provide its Cost - Price Breakdown Worksheet for these CLINs or all Ordering periods in this RFP plus pricing assumptions or rationale.

L.7 PAST PERFORMANCE FACTOR (Volume 5) There are no sub-factors in Past Performance: Considerations will consist of Technical Hardware and Logistics; Delivery Hardware and Logistics; and Customer Satisfaction.

L.7.1 The offeror shall submit, for both the prime offeror and any significant major subcontractors, a description of all previous (a) Government contracts (all prime and significant major subcontracts), including Federal, State and Local Government and (b) Commercial private industry contracts, which were received or were in performance within the past three (3) years Government (18 months for non-Government Commercial Contracts)(from the date of this RFP), and which are in any way relevant to the effort required by this solicitation as defined below. Significant major subcontractors are defined as subcontracts whose total contributions are expected to exceed 10% of the work ultimately performed under the contract.

L.7.1.1 Recent Contracts: Recent contracts are those with any performance taking place approximately within the three years previous to the date this solicitation was issued.

L.7.1.2 Relevant Contracts: Relevant contracts are those which are similar in scope to the requirements of this solicitation. Each past contract for vehicles does not have to meet all of the criteria below to be considered relevant, but we will be interested especially in those vehicle contracts that included:

- a. Production Manufacture of a vehicle system whose complexity and type are identical (or nearly identical to the proposed vehicle design).
- b. Delivery of Vehicle system quantities at a monthly production rate similar to the estimated quantity of the projected first MMPV Delivery Order.
- c. Armoring of Vehicle systems to withstand IED, Mine, RFP, Ballistic and Airburst threats similar to those required by the instant RFP.
- d. Reliability, Availability and Maintainability RAM) as described in paragraph C.25.
- e. Maintenance Analysis as described in paragraph C.9.1 and attachment 2 (Maintenance Analysis/Supportability Analysis).
- f. Supportability Analysis as described in scope of work C.9.2.2 and attachment 2 (Maintenance Analysis/Supportability Analysis).

L.7.1.2.1 What to Submit on Your Relevant Past Contracts: For each of your recent relevant past contracts you should provide the following items of information:

L.7.1.2.1(a) Description of scope of work requirements and a discussion of similarities between the contract scope and the scope of this solicitation as it applies to how well the contract meets each of the relevancy criteria listed above in L.7.1.2.

L.7.1.2.1(b) Description of objectives achieved to date on the contract as it applies to the Production estimate described in Section A of this solicitation and Section L Price Area (Production Estimate), including how well the contract meets each of the relevancy criteria listed above in L.7.1.2.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 160 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

L.7.1.2.1(c) For any contracts which do not meet original requirements with regard to either Cost, Schedule or Performance, include an explanation of instances where technical or schedule requirements were not met, and any corrective actions taken to avoid such problems in the future. Provide a copy of any cure notices or show-cause letters received on each contract. List each time the delivery schedule was revised and explain why the revision was necessary.

L.7.2 Past Performance Questionnaire: For the contracts submitted, the offeror shall send a copy of the past performance questionnaire (Section J, Attachment 022) directly to the appropriate Contracting Officer Representative (COR), PCO and relevant customers. The offeror shall request the COR, PCO and Customer complete the questionnaire and forward it to the Government at the following address no later than ten (10) days before the solicitation closing date (see block #9 of RFP).

OUTSIDE ENVELOPE: Commander
 Tank-automotive and Armaments Command
 6501 East 11 Mile Road
 Exclusively for: Victor Vaughn
 AMSTA-AQ-ADED, Mail Stop 321
 Warren, MI 48397-5000

INNER ENVELOPE: RFP W56HZV-07-R-0315
 PAST PERFORMANCE SOURCE SELECTION INFORMATION

L.7.2.1 In addition, the offeror shall prepare and submit with the RFP, a list of the references to which the past performance questionnaire was sent. The reference list shall contain the following information prepared in the following format:

- a. Point of Contact and Telephone Number, e-mail (PM/PCO/ACO/COR).
- b. Date questionnaire sent to the Program Manager/COR/Customer.
- c. Contract No./Delivery Order.
- d. Contract/Delivery Order Type.
- e. Program Title, including a brief (50 words or less) description of the work performed.
- f. P/S (Enter P if performed as a prime contractor or S if performed as a subcontractor).
- g. Contract dollar value at time of award, present time or completion time as appropriate.
- h. Percentage of the effort performed as a prime or subcontractor.
- i. Total number of man-hours worked as a prime or subcontractor.
- j. Key personnel.

L.7.3 Corporate entities: If any contract listed in L.7.1 was performed by a corporate entity or division other than the corporate entity or division that would perform work under the RFP, please identify them and indicate to what extent those entities will perform this effort. If they have relocated or changed ownership since performance of the listed efforts, please describe any changes in the terms of personal, facilities, or equipment, from those expected to perform this effort.

L.7.4 Key personnel: Offerors that are either (a) newly formed entities without prior contracts; or (b) who have limited or no recent relevant past performance, but have key personnel who will be playing a significant role in this contract performance and who have had significant and similar responsibilities in conjunction with recent, relevant contracts or subcontracts with a previous employer, may submit this key personnel prior experience and the Government may consider this experience in our evaluation of performance risk. In order for us to consider such experience, please identify these key personnel, their role and responsibilities for their previous employer and their roles and responsibilities as planned for the current requirement. Also provide similar information to that identified in L.7.1.2 for those contracts that these key personnel were involved in with those previous employers.

L.7.5 Predecessor Companies: Likewise, if you or a significant subcontractor only has relevant and recent performance history as a part of a predecessor company, we may consider that past performance in our evaluation of performance risk. Please provide the information identified in L.7.1.2.1(a) through L.7.1.2.1(c) for those relevant contracts of that predecessor company.

L.7.6 What to Submit on Your Subcontractor's Past Contracts: If you propose to subcontract any effort to deliver the Technical Manuals, provide information listed in L.7.1.2 above about your subcontractor's past contracts. Include the written consent of your proposed subcontractor to allow the government to discuss the subcontractor's past performance during negotiations.

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page161 of 169</p>
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Name of Offeror or Contractor:

L.7.7 Information on Cancellations and Terminations: You shall identify any prime contracts, contracts under which you were a subcontractor, and any of your subcontractors' contracts, that were or are in the process of being cancelled or terminated, by the government or the prime contractor, in whole or in part, for any reason, during the recent three year time frame as defined above. You shall provide the information requested in the paragraphs above for any of these contracts. You shall also state in your proposal if there were no cancellations or terminations.

L.7.8 We may use data you provide and data we gather from other sources to evaluate past performance. Since we may not interview all the sources you provide, it is incumbent upon you to explain all the data you provide. We do not assume the duty to search for data to cure problems we find in proposals. The burden of providing thorough and complete past performance information remains with you. We may assign a higher risk rating to your proposal, or reject your proposal if it does not contain the information requested.

L.8 SMALL BUSINESS PARTICIPATION FACTOR (VOLUME 6)

There are no Sub-Factors or Elements under the Small Business Participation Factor. This provision applies to every offeror (U.S. and non-U.S.), regardless of size status or location of its manufacturing facility or headquarters. For proposal preparation and evaluation purposes, assume the Government will issue delivery orders for the estimated quantity of MMPVs in each Contract Year.

L.8.1 All offerors, including offerors who are themselves U.S. small business concerns based on the NAICS code assigned to this requirement, are to identify the extent to which U.S. small business concerns would be utilized as first-tier subcontractors in the performance of the proposed contract. U.S. small business concerns are defined 1) in FAR 19.001 and 2) by the criteria and size standards in FAR 19.102 for the applicable NAICS code. U.S. Small Business concerns include small businesses (SBs), small disadvantaged businesses (SDBs), HUBZone small businesses (HUBZone SBs), woman-owned small businesses (WOSBs), veteran-owned small businesses (VOSBs), service-disabled veteran-owned small businesses (SDVOSBs) and historically black colleges/universities and minority institutions (HBCU/MIs).

L.8.2 If the prime offeror (to include any U.S. small business concerns who are proposing as part of a joint venture or teaming arrangement) is itself a U.S. small business concern, the offerors own participation, as a SB, SDB, WOSB, VOSB, SDVOSB, HUBZone SB, and/or HBCU/MI will also be considered small business participation for the purpose of this evaluation. In this event, the extent the prime offeror participation as a U.S. small business concern shall be detailed, as described below, in the same manner as subcontracts to first tier U.S. small business concerns.

L.8.3 Regarding small business concern participation, offerors shall address anticipated subcontracting based on the offeror receiving a five-year IDIQ contract with Three option years in the estimated/total quantities specified in Section L, Price Factor. The required information shall be identified in a table format substantially in accordance with the following example:

BASE YEAR	BUSINESS CATEGORY	DOLLAR AMOUNT (ALL SUB-KS)*	PERCENTAGE OF SB PARTICIPATION	TOTAL SUBCONTRACTING
	(LB + SB)	\$43M	100%	
	SB	\$10M	23.3%	(\$10M of \$43M)
	SDB	\$2.15M	5.0%	(\$2.15M of \$43M)
	WOSB	\$2.36M	5.5%	(\$2.36M of \$43M)
	VOSB	\$0.3M	0.7%	(\$0.3M of \$43M)
	SDVOSB	\$0.1M	0.2%	(\$0.1M of \$43M)
	HUBZone SB	\$1.0M	2.3%	(\$1.0M of \$43M)
	HBCU/MI	\$0.15M	0.4%	(\$0.15M of \$43M)

*Includes 1st tier subcontractors only; Interdivisional transfers are considered subcontracts; includes prime offeror participation if the prime is a U.S. small business concern.

L.8.4 All offerors, regardless of size, are to provide (individually for each base year and for each option year, the names of small business concerns (including the prime offeror if a small business concern) who would participate in the proposed contract; the small business classification of each small business concern (i.e. SB, SDB, WOSB, VOSB, SDVOSB, HUBZone SB, and /or HBCU/MI); a short description of the specific services to be provided or components to be produced by each small business concern; and the estimated total dollars for each product or service. This data shall be provided in a table format substantially a follows:

BASE YEAR	Name of Small Business Concern	Small Business Classification(s)	Description of Service/Product	Total Dollars
	ABC Co.	SB	Wire	\$0.50M
	ABC Co.	SB	Plating	\$0.75M
	EFG Inc. (Prime Offeror)	SB, WOSB, VOSB	Circuit Cards	\$1.20M

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 162 of 169
Name of Offeror or Contractor:		

- L.8.5 As defined below, offerors shall also provide the following:
- L.8.5.1 Offerors who ARE either (1) a U.S. large business, as defined by the North American Industry Classification System code applicable to this solicitation, or (2) a firm who has previously performed a contract containing FAR 52.219-9, are to provide a description of their performance in complying with the requirements of FAR 52.219-9, including documentation of their accomplishment of the goals established under Subcontracting Plans of prior contracts. This data shall include contracts performed over the last three [3] calendar years. Firms that have never held a contract incorporating FAR 52.219-9, shall so state.
- L.8.5.2 All offerors who ARE NOT either (1) a U.S. large business, as defined by the North American Industry Classification System code applicable to this solicitation, or (2) a firm who has previously performed a contract containing FAR 52.219-8, shall substantiate their proposed approach to meeting the requirement of FAR 52.219-8. Substantiation may include providing (1) a description of the offerors performance, over the past three [3] calendar years, in complying with the requirements of FAR 52.219-8 (Note: if the offeror has not performed a contract, over the past three [3] years, which included FAR 52.219-8, the offeror shall so state); (2) a description and available documentation of any methods or techniques used to promote small business participation; (3) any listings of U.S. small business concerns who are subcontracting candidates; (4) internal procedures used to monitor small business participation during contract performance; and/or (5) any other information substantiating that the offeror will satisfy the requirements of FAR 52.219-8.

*** END OF NARRATIVE L 0001 ***

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page163 of 169</p>
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Name of Offeror or Contractor:

SECTION M - EVALUATION FACTORS FOR AWARD

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
M-1	52.247-46	SHIPPING POINT(S) USED IN EVALUATION OF F.O.B. ORIGIN OFFERS	APR/1984
M-2	52.247-47	EVALUATION--F.O.B. ORIGIN	JUN/2003
M-3	52.209-4011 (TACOM)	CONTRACTOR RESPONSIBILITY AND ELIGIBILITY FOR AWARD	JAN/2001

(a) We'll award a contract to the offeror that:

- (1) submits the lowest evaluated offer if award is based on price only, or the offer that provides the best value to the Government if factors in addition to price are identified elsewhere in this solicitation, and
- (2) submits a bid or proposal that meets all the material requirements of this solicitation, and
- (3) meets all the responsibility criteria at FAR 9.104.

(b) To make sure that you meet the responsibility criteria at FAR 9.104 we may:

- (1) arrange a visit to your plant and perform a preaward survey;
- (2) ask you to provide financial, technical, production, or managerial background information.

(c) If you don't provide us with the data we ask for within 7 days from the date you receive our request, or if you refuse to have us visit your facility, we may determine you nonresponsible.

(d) If we visit your facility, please make sure that you have current certified financial statements and other data relevant to your bid or proposal available for our team to review.

[End of Provision]

M.1 BASIS FOR AWARD

M.1.1 Selection of Successful Offeror(s). Based on the criteria set forth in Section M of this RFP, the Government intends to award one contract to a responsible offeror whose proposal, in the Source Selection Authority's opinion, represents the best value to the government. The Government reserves the right to award a contract (or not award a contract) based on the merit, risk and affordability of the proposals. This includes making no award if, upon evaluation, none of the proposals are deemed to meet the requirements at an acceptable level of risk or price.

M.1.2 The evaluation will be conducted on the following six evaluation Factors: Technical, Production Capability, Logistics, Price, Past Performance and Small Business Participation (See Section M provision M.7.2 for the relative order of importance of the evaluation criteria). The Government will weigh the evaluated proposal in the non-Price Factors against the evaluated Price to the Government. As part of the source selection tradeoff determination, the relative risks, advantages and/or disadvantages of each proposal shall be considered in selecting the offer that represents the best overall value to the Government.

M.2 Rejection of Proposals. The Government may reject any proposal which:

- a. Merely offers to perform work according to the RFP terms or fails to present more than a statement indicating its capability to comply with the RFP terms without support and elaboration as specified in Section L of this solicitation; or
- b. Reflects an inherent lack of technical competence or a failure to comprehend the complexity and risks required to perform the RFPs requirements due to submission of a proposal which is unrealistically high or low in Price and/or unrealistic in terms of technical or schedule commitments; or
- c. Contains any unexplained significant inconsistency between the proposed effort and Price, which implies the offeror has (1) an inherent misunderstanding of the scope of work, or (2) an inability to perform the resultant contract, or
- d. Fails to meaningfully respond to the Proposal. Preparation Instructions are specified in Section L of this solicitation.

M.3 Importance of the Price Factor. The Price Factor and non-Price Factors of each proposal will be evaluated. However, the closer the offerors' evaluations are in the non-Price Factors, the more significant the Factor of Price becomes in the decision. Notwithstanding the fact that the Price Factor is not the most important consideration, it may be controlling when:

- a. Two or more proposals are otherwise considered equal;

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 164 of 169
Name of Offeror or Contractor:		

b. An otherwise superior proposal is unaffordable; or

c. The advantages of a higher rated, higher priced proposal are not considered to be worth the price premium

M.4 Proposal and Performance Risks. For the purpose of evaluation of proposals in response to this RFP, proposals shall be evaluated in terms of both proposal risk and performance risk as follows:

M.4.1 Proposal Risks. Proposal Risks are those risks associated with an offerors proposed approach in meeting the Government Requirements. Proposal Risk is assessed by the Source Selection Evaluation Board (SSEB) and is integrated into the rating of the Technical Factor, Production Capability Factor, Logistics Factor, Price Factor, and a portion of Small Business Participation Factor.

M.4.2 Performance Risks. Performance Risks are those risks associated with the probability that an offeror will successfully perform the solicitation requirements as indicated by that offerors record of past and current performance. The SSEB will assess performance risk in the Past Performance Factor and a portion of Small Business Participation Factor.

M.5 CONTRACTOR RESPONSIBILITY AND ELIGIBILITY FOR AWARD

M.5.1 The Government will award a contract to the offeror that:

- a. Represents the best value to the Government, and
- b. Submits a proposal that meets all the material requirements of this solicitation, and
- c. Meets all the responsibility criteria at FAR 9.104.

M.5.2 To make sure that you meet the responsibility criteria at FAR 9.104, the Government may:

- a. arrange a visit to your plant and perform a necessary pre-award survey or
- b. ask you to provide financial, technical, production, or managerial background information.
- c. If you do not provide the Government with the data requested within 7 days from the date you receive the request, or if you refuse a Government visit to your facility, the Government may determine you non-responsible.
- d. If the Government visits your facility, please make sure that you have current certified financial statements and other data relevant to your proposal available for the team to review.

M.6 Determination of Responsibility. Per FAR 9.103, contracts will be placed only with contractors that the Contracting Officer determines to be responsible, that is, those who satisfactorily perform the necessary tasks and delivery of the required items on time. Prospective offerors, in order to qualify as sources for this acquisition, must be able to demonstrate that they meet standards of responsibility set forth in FAR 9.104.1 and FAR 9.104-3(b). In addition, the Government may assess the offerors financial and management capabilities to meet the solicitation requirements. Accordingly, the Government reserves the right to reject an offeror who cannot satisfy the Governments requirements as set forth in this RFP. The Government reserves the right to conduct a Pre-Award Survey on any or all offerors (or their significant subcontractors, defined as any subcontract dollar value in excess of \$100,000 per performance period or if the subcontracted work is critical to the whole) to aid the Procuring Contracting Officer (PCO) in the evaluation of each offerors proposal and ensure that a selected contractor is responsible. No award can be made to an offeror who has been determined to be not responsible by the PCO.

M.7 EVALUATION CRITERIA GENERAL INFORMATION

M.7.1 Factors. Six factors will be considered in the evaluation:

Technical
Production Capability
Logistics
Price
Past Performance
Small Business Participation

The Technical and Logistics factors are further divided into sub-factors.

M.7.2 Order of Importance: Technical is more important than Production Capability. Production Capability is approximately equal in importance to Logistics. Logistics is slightly more important than Price. Price is slightly more important than Past Performance and Past Performance is significantly more important than Small Business Participation. As required to be defined by FAR 15.304(e), the

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 165 of 169
---------------------------	--	-------------------------------

Name of Offeror or Contractor:

five non-price Factors combined are significantly more important than the Price Factor.

M.8 EVALUATION OF TECHNICAL FACTOR (SEE L.3)

M.8.1 The offerors technical approach will be assessed in each of the Sub-factors described below. The minimum performance levels (thresholds) specified in the PD represent the governments minimum requirements and those performance levels must be met. Of the Technical sub-factors described below, Sub-factor 1 (Force Protection/System Survivability) is significantly more important than Sub-factor 2 System Maturity. Sub-factor 2 (System Maturity) is more important than either of Sub-factors 3 and 4 (Mobility and Design Growth Potential). Sub-factor 3 (Mobility) and Sub-factor 4 (Design Growth Potential) are of approximately equal in importance.

Subfactor 1, Force Protection/System Survivability, includes 4 Elements. Element 1 Mine Protection is approximately equal in importance to Element 2 IED protection. Element 2 IED protection is more important than Element 3 RPG Protection. Element 3 RPG Protection is more important than Element 4 Robot Ingress/Egress.

The remaining Sub-factors do not include any Elements.

M.8.1.1 Subfactor 1 - Force Protection/System Survivability

The Government will assess the extent to which, and risk that, the Offeror's proposed Force Protection/System Survivability performance levels will credibly achieve and/or exceed the following Force Protection/System Survivability Threshold/Objective Requirements:

Element	Paragraph	Requirement	Threshold	Objective
1	3.19.a/CA 3.18 a	Mine Protection	See Classified Annex	See Classified Annex
2	3.19.c/CA 3.18 c	IED Protection	See Classified Annex	See Classified Annex
3	3.19.e/CA 3.18 e	RPG Protection	See Classified Annex	See Classified Annex
4	PD 3.12.4.1	Robot Ingress/ Egress	See PD 3.12.4.1	See PD 3.12.4.1

For the Elements of Mine Protection and IED Protection, (which have both Threshold and Objective performance levels in the Purchase Description), proposals will be assessed as progressively more advantageous the greater the extent to which the proposal credibly achieves or exceeds the above Force Protection/System Survivability performance objectives, as further described in RFP Paragraph M.8.2

For the Element of RPG Protection, (which has both Threshold and Objective performance levels in the Purchase Description), proposals will be assessed as progressively more advantageous the greater the extent to which the proposal credibly achieves or exceeds the above RPG Protection performance objectives, as further described in RFP Paragraph M.8.2.

For Robot Ingress/Egress, proposals will be assessed as progressively more advantageous the greater the extent to which the proposal credibly achieves or exceeds the above Robot Ingress/Egress performance objectives, as further described in RFP Paragraph M.8.2. A highly advantageous MMPV solution will allow for Robot Ingress/Egress without either (a) any soldier assistance external to the MMPV, and (b) any soldiers or crewmembers inside the MMPV being exposed to direct fire.

If awarded a contract, the offeror's final proposed Survivability performance levels (assuming the proposal meets Threshold requirements) will be incorporated as the requirements in any resulting contract.

M.8.1.2 Sub-factor 2 - System Maturity. The offerors approach will be assessed, and a risk level will be assigned, indicating the Governments evaluation of the probability that, based upon the demonstrated system maturity of the proposed MMPV vehicle, the offeror will timely deliver MMPV production vehicles which meet (a) PD requirements referenced in Section L.3.2 and (b) all offeror proposed objective performance levels.

A proposed vehicle which (a) is based on an existing configuration with few or no meaningful design changes and (b) has been credibly demonstrated to achieve both (1) PD requirements and (2) all offeror proposed objective performance levels on an integrated system level basis, will generally be considered very low risk.

A proposed vehicle that is either:

- (a) an assemblage of components which have not previously been integrated and for which little or no system level test/performance data exists, or
- (b) based on a proven integrated system design, but includes changes to the baseline design which invalidate in whole or in part, the credibility of existing test/performance data of the integrated system; will be assessed as having progressively higher system maturity risk.

M.8.1.3 Sub-factor 3 Mobility. The offerors approach will be evaluated on a Proposal Risk basis to assess the probability that the offered MMPV vehicle will credibly meet the following mobility performance requirements of the PD:

- a. PD Paragraph 3.13.2.3 Sustained Convoy Speed

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page166 of 169</p>
--	--	--

Name of Offeror or Contractor:

- b. PD Paragraph 3.13.2.6 Stability
- c. PD Paragraph 3.13.2.9 Turning Performance

Proven performance with supporting data will be assessed as more credible, and reflective of lower risk, than projected performance on untested systems.

M.8.1.4 Sub-factor 4 Design Growth Potential

The Government will assess the extent to which the Offeror's proposed MMPV configuration is credibly designed to accommodate the potential addition/insertion of increased capability beyond the current MMPV Purchase Description requirements, as follows:

M.8.1.4.1 Payload Growth Potential - The government will assess the extent to which the offeror's proposed MMPV design credibly offers excess Payload capacity. MMPV proposals will be assessed as progressively more advantageous the greater the extent to which the proposal credibly offers excess payload capacity approaching or exceeding 1,500 Pounds. Proposals will be generally be considered to have higher credibility the greater the extent to which Payload Growth Potential calculations are based on an existing MMPV vehicle (a) with established Payload characteristics and (b) which is proven to meet PD requirements and proposed objectives. Proposals will be assessed as progressively less advantageous the greater the extent to which the proposal credibly offers excess payload capacity less than 700 Pounds. Calculating Payload Growth Potential will be based on the following equation: Gross Vehicle Weight Rating (minus) Vehicle Curb Weight = (equals) Payload Growth Potential.

M.8.1.4.2 Electrical Capacity Growth Potential - The government will assess the extent to which the offeror's proposed MMPV design credibly offers excess Electrical capacity. MMPV proposals will be assessed as progressively more advantageous the greater the extent to which the proposal credibly offers excess Electrical capacity approaching or exceeding 60 Amps. Proposals will be generally be considered to have higher credibility the greater the extent to which Electrical Capacity Growth Potential calculations are based on an existing MMPV vehicle (a) with established Electrical Capacity characteristics and (b) which is proven to meet PD requirements and proposed objectives. Proposals will be assessed as progressively less advantageous the greater the extent to which the proposal credibly offers excess Electrical capacity of less than 15 Amps. Calculating Electrical Capacity Growth Potential will be based on the following equation: Total Electrical Capacity (minus) Current Vehicle Electrical Usage = (equals) Electrical Capacity Growth Potential.

M.8.2 Evaluation of Threshold/Objective Performance Characteristics.
 Within the Technical Factor, under sub-Factor 1 Force Protection/System Survivability, the Government will also evaluate the extent to which the offeror credibly proposes to achieve Objective requirements.

M.8.2.1 For the elements under the sub-factor of Force Protection/System Survivability, credit may be given for proposed performance levels which credibly achieve objective performance requirements as described below. For proposed performance between the Threshold level of performance and the Objective level of performance, a proportional credit may be given to the extent that it benefits the Government. Credibly exceeding the below Objective performance levels is of even greater benefit to the Government. For evaluation purposes, credibly achieving or exceeding Objective performance levels, as described above, will be identified as a Strength at the Element level and in the Force Protection/System Survivability Subfactor rating and the Technical Factor rating.

M.8.2.2 Risk The government will assess the risk of the offeror not being able to meet the proposed Objective performance level. This, along with the extent to which the characteristic is proposed, will be reflected in the rating for the Element, Subfactor and Factor. To receive credit for any of the objective performance characteristics, the offerors proposal must demonstrate to the Government that the proposed Objective performance level is achievable at moderate risk. Proposals which are evaluated to have more than moderate risk associated with meeting the proposed objective level, or which are deemed to increase the risk of meeting other technical requirements to either high or very high risk, will not be credited as having achieved, in whole or proportionally, the Objective performance level.

M.8.2.3 If an offeror is awarded a contract, all proposed objective performance levels will be incorporated into the contract as requirements to the extent that they were proposed.

M.9 EVALUATION OF PRODUCTION CAPABILITY FACTOR (SEE L.4):

M.9.1 The Factor of Production Capability will assess the proposal risk probability (based on the information supplied in response to paragraph L.4) that the Offeror and its subcontractors will timely achieve delivery of supplies satisfying the projected contract delivery schedule in L.4.1.1. Specifically, the Government will assess the Risk of the Offerors approach timely delivering contract supplies with respect to:

- a. Manufacturing Facilities for Monthly Delivery Order Quantities as described in L.4.1.1.
- b. Key Tooling and Equipment for Monthly Delivery Order Quantities as described in L.4.1.1.
- c. Production Approach for Monthly Delivery Order Quantities as described in L.4.1.1.
- d. Sub-Contractor Letters of Commitment for Monthly Delivery Order Quantities as described in L.4.1.1.

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-07-R-0315 MOD/AMD</p>	<p style="text-align: center;">Page167 of 169</p>
--	--	--

Name of Offeror or Contractor:

- e. Time Phased Critical Path for Monthly Production Quantities as described in L.4.1.1.
- f. Facilities, Key Tooling & Equipment and Workforce planning to achieve a maximum production rate of 35 MMPVs per month based upon the Delivery Order conditions identified in RFP Provision L.4.2(f)(1-2).
- M.9.2 A production capability that (a) currently exists (b) is producing items the same or similar to the MMPV offered, and (c) has excess production capacity sufficient to support the anticipated MMPV delivery schedule reflected in paragraph L.4.1.1, will be considered a lower risk than a proposed production capability that does not currently exist, is not producing items that are the same or similar to the MMPV offered, or currently has no excess production capacity that would be needed to reach the maximum production rate in M.9.1(f) above.
- M.10 EVALUATION OF LOGISTICS FACTOR (SEE L.5)
- M.10.1 The offerors logistics approach will be assessed in each of the Sub-Factors described below.
- Sub-Factor 1 Realism of the TM Approach is more important than Sub-Factor 2 Logistics Experience.
- M.10.1.1 Sub-Factor 1 Realism of the TM Approach. The Government will evaluate the proposal risk probability that the offerors proposed Technical Manual labor hours, labor categories and labor category mix, as supported by rationale detailing the basis for the proposed hours, labor categories and labor category mix, will timely meet Contract Requirements for supply of DA Technical Manuals (C.14 through C.14.5.2.5).
- M.10.1.2 Sub-Factor 2 Logistics Experience - The Logistics Experience will assess the risk probability that the prime Offeror, and any proposed logistics subcontractors will, based upon the extent and relevance/currency of Logistics experience applicable to the Offerors proposed performance approach, successfully perform the Section C work statement requirements of the RFP.
- M.10.1.2.1 The Logistics Experience risk assessment will be based on the extent and relevance/currency of the Offerors prior Logistics experience with the following RFP scopes of work:
- a. Reliability, Availability and Maintainability RAM) as described in paragraph C.25.1.1 and C.25.1.2.
 - b. Maintenance Analysis as described in paragraph C.9.1 (including attachment 2)and C.9.1.3 Maintenance Analysis/Supportability Analysis).
 - c. Supportability Analysis as described in scope of work C.9.2.1, C.9.2.2, and attachment 2 (Maintenance Analysis/Supportability Analysis).
- M.10.1.2.2 Each offeror must identify any specific logistics experience (either its own or that of any subcontractors) it wishes the Government to consider in evaluating its proposal. Please note however, that any such experience must be reflected in the Offerors proposed approach to performance in the other (non-logistics) areas of evaluation. If it is not, the identified experience will be discounted accordingly.
- M.11 EVALUATION OF PRICE (SEE L.6)
- M.11.1 This Factor will consider the total evaluated price to the Government. The assessment of total evaluated price will consider the reasonableness, realism and affordability of the proposed prices.
- Reasonableness means that the proposed prices do not exceed that which would be incurred by a prudent person in the conduct of competitive business. This may be evaluated by various means, such as consistency between the price and the offerors technical and production approaches, historical data and experience available from Government sources, comparison of the proposed prices, and information provided in the offerors Price Volume.
- Realism means the prices in an offerors proposal are consistent with the offeror proposed approach(es) to meet requirements, and reflect a clear understanding of the requirements. Where a Price proposal lacks realism relative to proposed approaches reflected in the Technical, Logistics, Production Capability or Small Business Participation Proposals, the evaluations under these non-Price Factor assessments may be downgraded commensurate with the lack of Price Realism.
- Consideration of affordability may be controlling in circumstances where two or more proposals are otherwise adjudged equal, or when the superior proposal is at a price that the government cannot afford. Additionally, price may be controlling where the non-price advantages of a particular proposal are not considered worthy of the additional price involved.
- M.11.2 The total evaluated price will be the sum of the prices for:
- a. All Priced CLINs as follows: 1001(inclusive of all sub-CLINs); 1002(inclusive); 1003(inclusive); 2001(inclusive); 3001(inclusive); 4001(inclusive); 5001(inclusive); 6001(inclusive); 7001(inclusive); 8001(inclusive).

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-07-R-0315 MOD/AMD	Page 168 of 169
Name of Offeror or Contractor:		

b. Transportation Costs for the estimated quantity of MMPV's as follows:

- (1) for the estimated quantity of MMPV vehicles specified in CLINs 1001AA-8001AA; and
- (2) for the estimated quantity of ASL packages specified in CLINs 1001AF-8001AF; and
- (3) for the estimated quantity of PLL packages specified in CLINs 1001AG-8001AG

the Government assessment of Transportation costs will be based on delivery of Vehicles/Packages to the following locations:

- 1/3 to Zone 1 (See Section H for locations included in this Zone)
- 1/3 to Zone 2 (See Section H for locations included in this Zone)
- 1/3 to Zone 3 (See Section H for locations included in this Zone)

M.11.3 The total Prices for CLINS 1001(inclusive of all sub-CLINS); 1002(inclusive); 1003(inclusive); 2001(inclusive); 3001(inclusive); 4001(inclusive); 5001(inclusive); 6001(inclusive); 7001(inclusive); 8001(inclusive) as multiplied by the estimated quantity for each respective ordering period. In the event the offeror proposes range pricing for MMPV Hardware, such range pricing will be evaluated by assigning weights to each of the ranges, for each ordering period, to arrive at a single weighted average unit price for that ordering period. This weighted average will be applied to the estimated quantity for each ordering period.

M.12 EVALUATION OF THE PAST PERFORMANCE FACTOR(SEE L.7)

M.12.1 We will conduct a past performance evaluation to assess performance risks, which are defined as those risks associated with an offerors likelihood of success in performing the solicitation's requirements.

The assessment of Past Performance will be based on the offerors and significant subcontractors current and past record of contract performance, of contracts performed within the last 3 years of Government (18 months for non-Government Commercial Contracts), as it relates to the probability that the offeror will successfully accomplish the required effort. When addressing performance risk, the Government will focus its inquiry on the offerors and major subcontractors' record of performance as related to program requirements including:

M.12.1.1 Considerations: We will consider the record of the following for both hardware and data:

- a. Technical: Conformance to specifications and standards of good workmanship
- b. Delivery: Adherence to delivery schedules
- c. Reasonableness, cooperative behavior, and commitment to customer satisfaction.

M.12.1.2 Negative prior performance: Significant achievements, problems, or lack of relevant data in any element of the work can become an important consideration in the source selection process. The existence of negative prior performance findings may result in a rating, which reflects elevated performance risk. Therefore, offerors are reminded to include all relevant past efforts, including any demonstrated corrective actions, in their proposal. Offerors without a record of relevant Past Performance, upon which to base a meaningful performance risk prediction, will be rated as "Unknown Risk", which is neither favorable nor unfavorable.

M.12.1.3 Performance History: In evaluating each offerors performance history, the Government will look at the offerors delivery performance, and that of any significant subcontractors, against the contracts original delivery schedule unless the delay was Government caused. Schedule extensions that were the fault of the offeror, or a proposed Subcontractors fault, even if consideration was provided, will be counted against the offeror. The Government will also evaluate general trends in past performance, including demonstrated corrective actions.

M.12.1.4 Additional information: The offeror may also be evaluated based on other internal Government or private source information. While the Government may elect to consider data obtained from external sources other than the proposal, the burden on providing thorough and complete past performance information rests with the offeror.

M.13 SMALL BUSINESS PARTICIPATION FACTOR

M.13.1 The government will evaluate the extent of small business concern participation in terms of the percentage of total subcontracted dollars that the offeror credibly proposes to subcontract to U.S. small business concerns (SB, SDB, WOSB, VOSB, SDVOSB, HUBZone SB, and/or HBCU/MIs) in the performance of the contract. For the purpose of this evaluation, the extent of prime offeror (or joint venture partner/teaming arrangement) participation in proposed contract performance, where the offeror is a U.S. small business concern, for the NAICS code applicable to this solicitation, will also be considered small business participation.

M.13.2 The evaluation will include the following:

M.13.2.1 The extent to which the proposal identifies participation of U.S. small business concerns (to include, as described above, the

CONTINUATION SHEET	Reference No. of Document Being Continued		Page169 of 169
	PIIN/SIIN W56HZV-07-R-0315	MOD/AMD	

Name of Offeror or Contractor:

participation of the offeror if it is a U.S. small business concern). The extent of participation of such concerns will be evaluated in terms of the percentage of the total subcontract amount (to include, as described above, the extent of participation of the offeror if it is a U.S. small business concern);

M.13.2.2 The complexity of the items/services to be furnished by U.S. small business concerns;

M.13.2.3 An assessment of the probability that the offeror will satisfy the requirements of FAR 52.219-8/9 (as applicable to the offeror) and achieve the levels of Small Business Participation identified in the proposal. This assessment will be based upon both (a) a proposal risk assessment of the offerors proposed Small Business Participation approach, and (b) a performance risk assessment of prior achievements (past performance) in satisfying commitments and requirements under FAR 52.219-8/9.

M.13.2.4 Offerors are advised that they will be evaluated, under the Small Business Participation Subfactor, based upon the risk, and extent, of the offeror credibly achieving the Governments goals for U.S. small business concern participation. Goals include (1) U.S. Small business concern participation of 23% or more, (2) U.S. small disadvantaged business concern participation of 5% or more; and (3) U.S. small business concern participation by furnishing items/services of extreme complexity.

*** END OF NARRATIVE M 0001 ***